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<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

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 <223> Synthetic primer complementary to human genomic EGR1 promoter sequence (Sakamoto et al., Oncogene 6:867871 (1991)); includes a Xho I restriction site.

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 <223> Synthetic promoter for use in biological assays; includes NF-KB
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<210> 15
<211> 841
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
<221> misc_feature
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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<210> 16
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 <212> DNA
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aaaaaaa							667

<210> 17
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 <212> DNA
 <213> Homo sapiens

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<210> 18
 <211> 1913
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (14)..(14)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (398)..(398)
 <223> n equals a,t,g, or c

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<210> 19
 <211> 330
 <212> DNA
 <213> Homo sapiens

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<210> 20
 <211> 743
 <212> DNA
 <213> Homo sapiens

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<210> 21
 <211> 1592
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (805)..(805)
 <223> n equals a,t,g, or c

<220>
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 <222> (857)..(857)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1587)..(1589)
 <223> n equals a,t,g, or c

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<210> 33

<211> 1048

<212> DNA

<213> Homo sapiens

<400> 33

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<210> 34
<211> 596
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<220>
<221> misc_feature
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (580)..(580)
<223> n equals a,t,g, or c

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<400> 34
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tcggcacgag aattgggggaa aagggtattc aatatttatt aagtaacaat gagaaatgca    180
acaaacttcc ttattttatgc cttatgaata aaagagtgtg gaatgtaagg tgaaatttta    240
tgtgcaagat cctgaaggaa tgggtattct tgaaggcagg gactgtcttt tctatgtttg    300
ttctgtacag ctctcagcac actcctgggtg cttgataaat gttatgatgt tatataatac    360
caataactaa gcacattttt agacttttt tcaaatggct tgtgtaaaat ttgggttaatg    420

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 <212> DNA
 <213> Homo sapiens

<400> 35						
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<210> 36
 <211> 903
 <212> DNA
 <213> Homo sapiens

<400> 36						
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tgtcaatttt	cattctttta	aaacacatgg	acttactata	aaagcctttt	tgtactagt	840
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gag						903

<210> 37
 <211> 934
 <212> DNA
 <213> Homo sapiens

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<210> 38
 <211> 850
 <212> DNA
 <213> Homo sapiens

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<210> 39
 <211> 1713
 <212> DNA
 <213> Homo sapiens

<400> 39
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 <211> 720
 <212> DNA
 <213> Homo sapiens

<400> 40						
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 <211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 41						
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 <212> DNA
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 <211> 1647
 <212> DNA
 <213> Homo sapiens

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tgggctctgc	tcagctattc	ttggggcaga	tggggcctga	ccgatagaat	aaaagacttt	1620
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<210> 44
 <211> 1782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1765)..(1765)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1771)..(1771)
 <223> n equals a,t,g, or c

<400> 44	
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tcggttacct	cagcagctgc
aagagggagc	caggaagtgg
aatgagccca	gccaggagga
cagaaggctg	cttcttctac
aataaaaacc	ggcacaggat
aagacacatt	agtgcagaag
caaaagataaa	catccttcac
tgctgtgac	tttgagtagt
cattgggtct	tacttttatgt
tgtaatcccg	gcaagttgct
aaaactggct	ggcaccagct
tttatgctga	aagtagaaca
ttcttatatt	gttttatggt
caacatggcg	atgcacaaca
gtgaagcgga	agcaggagct
tttgagggaa	gctacctgga
cggatctctga	ccaacaaaaa
aaggaagctg	agcggctctt
ttggcaggag	ttcaggacca
gacggaaaagt	gacacttctc
ccctgaggat	ctggatggat
ttcctcaggg	agtcaccaca
tgatctgaag	ttaaacaaaa
cttcagggt	gtagagccct
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aactgtgctg	ttctcccttc
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ggcggaaa	ggcggaaa
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aaactccaat	aaactccaat
cagtaaatcc	cagtaaatcc
gctcattgaa	gctcattgaa
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aagcgaaaag	aagcgaaaag
tgactattag	tgactattag
tctgacctca	tctgacctca
ccagaccag	ccagaccag
ttctgtgaaga	ttctgtgaaga
aagacaatgt	aagacaatgt
ctggttttgt	ctggttttgt
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atcttctttg	atcttctttg

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cctgcctcta	gtgctgtggt	gaacttgcca	cagggctctg	ctggcacatt	ggaatcacct	1740
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<210> 45
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 45						
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ggggaatttt	attgcttaaa	ttaaagtttc	attttctggc	ctgtgcaaga	gactttttata	180
tctaaaaatat	ggatgtacgt	ttttcatatt	ttagagttca	ttgtatggaa	aaataccatc	240
aaagttgacc	aaaagatttt	gaaaatcctt	accagttggt	tgtcatatgt	taaagtctta	300
tggttaattt	tatttatttt	atcttgttct	cttgctggg	attggcagac	tcagtctttc	360
tgttttcaca	aagaactcat	gaagaggacg	ataggggaaa	cccacgtatg	cctttgaggc	420
tagggactat	gttghtaagt	cacctgtgat	ggccagggtca	tacagtcatg	gcacagccac	480
taaccccat	cacagcacca	aggactgggg	accagaagg	cacttggtta	tggcttccac	540
actaacgaaa	atggaaattc	cttaaattga	gagaactggg	accaccagag	aaaaaaaaaa	600
aaaaaaaaaa	aactcgtag					619

<210> 46
 <211> 1693
 <212> DNA
 <213> Homo sapiens

<400> 46						
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cctggagatc	agtcaggccc	agctgttatt	tgagaaccgg	cggaagggac	ggcagcagca	420
gcagaagcag	cagctgccac	agacaccccc	ttctgtttg	aagactgaga	taatgtctcc	480
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gcattaccgg	aaacgctggc	gggaaatcaa	tgcacgtccc	atcaagaagg	tggctgaggc	960
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cagtctacac	ctggacgtgt	gggccactta	agccctcccc	acccccatcc	tattcctaaa	1620
taaaaccagg	ataatggaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1680
ctcgaggggg	tcc					1693

<210> 47
 <211> 1685
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1667)..(1668)
 <223> n equals a,t,g, or c

<400> 47						
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gcaaggggagg	tggggaatgc	agtcttggct	ctggggcagct	gtgtgctcag	ctggctgtcc	180
ctgcttcttg	gggatgaagg	cattgtgaga	tttttgatta	aatctgggcc	atttccaggc	240
tgaaaagctg	gaccagagct	tcagggcttg	agtctctcac	agagagattt	cccaatgggg	300
acatcagtc	tgccttggga	ccagaaagcc	acatgctgta	ggccagggaag	ggggaagcag	360
gggctgagcc	cgaggggagaa	aggctttaga	ggtgttagca	gacagctcag	tggcagtgtt	420
tagaattagg	gaggcagcga	cctcttctta	gtgtggctcag	agcatccaa	gaaagtgtgg	480
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aaaag						1685

<210> 48
 <211> 1135
 <212> DNA
 <213> Homo sapiens

<400> 48

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gaagcaatta	gaagagcaca	tttagcacag	tctagccaac	aaatctgact	acctacagcc	240
acctacacct	atgttattct	tgttttccac	cctattacca	taatgaccca	tgcgttctac	300
ttacaacaca	ttttcacact	ttggtgggtc	atttcatcaa	catagaaawa	cattgttact	360
tctctcatct	tagaagaaaa	tcttcctttg	atccaacctc	ctccgtaagt	tactttccca	420
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<210> 49
 <211> 2325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (51)..(51)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2323)..(2323)
 <223> n equals a,t,g, or c

<400> 49						
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gcgggagccc	gcggtggcgc	cggactttgt	gcccttcgtg	cagctgcgcc	cgctgagcgc	120
gctggctgaa	gctggagagg	cgggtgctgt	gctgcgggag	gggcttctgc	gccgcgtgcg	180
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<210> 50
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 50						
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aagtacacgt	gtactcacag	agggagagaa	agatgtgtac	aaaggatatg	tataaatatt	660
ctatttagtc	atcctgatat	gaggagccag	tggtgcatga	tgaaaagatg	gtatgattct	720
acatatgtaa	aaaaaaaaaa	aaaaaaaaaa				750

<210> 51
 <211> 543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (529)..(529)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (533)..(533)
 <223> n equals a,t,g, or c

<400> 51						
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ggccacccac	ccagatgcag	agccagattc	cctgcgtgga	ctggacggga	gtttcccagc	120

tggagttctc	tcggccaagc	tgcctgtgac	atgggggttg	agggtgctcca	gagagtcattg	180
gccacccctg	gaggaagtga	cttgtggctg	actgctcaag	gggaagtct	gtggcagtg	240
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<210> 52
 <211> 1629
 <212> DNA
 <213> Homo sapiens

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 <211> 1076
 <212> DNA
 <213> Homo sapiens

<400> 53						
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<210> 54

<211> 1652

<212> DNA

<213> Homo sapiens

<220>

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<222> (1500)..(1500)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1527)..(1527)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1546)..(1546)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

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<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1640)..(1640)

<223> n equals a,t,g, or c

<400> 54

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<210> 55
 <211> 1308
 <212> DNA
 <213> Homo sapiens

<400> 55						
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 <211> 726
 <212> DNA
 <213> Homo sapiens

<400> 56						
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<210> 57
 <211> 1118
 <212> DNA
 <213> Homo sapiens

<400> 57						
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<210> 58
 <211> 2793
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (223)..(223)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2782)..(2782)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2786)..(2787)
 <223> n equals a,t,g, or c

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<211> 1974

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1967)..(1967)

<223> n equals a,t,g, or c

<400> 59

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1203)..(1203)
 <223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (1765)..(1765)
<223> n equals a,t,g, or c

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tgcttctagt gactcagtta ggaggatgga gggcaaactg acaacaagca aaattctaata      180
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gtcgacctcg a                                     2111

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<210> 61
<211> 592
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (451)..(451)

<223> n equals a,t,g, or c

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cttcaactat aatccagtgg aggacttctc gatgccaccc cacttaggat gtggccctgg      180
agtgaacttt gtgcctggcc ctctgccacc tccaatccct ggccctaata cccatgggtca      240
gcaactgggg ccagtgggtc accgggggat gccacgctat gtccctaaca gcccctacca      300
tgtgcggaga atgggggggc cctgcaggca gcggctcaga cactcagaga gactgatcca      360
cacatacaaa ctggacagac ggcctctgc ccattcgggg acatggcctg ggtagactgg      420
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<210> 62

<211> 1010

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (350)..(350)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (584)..(584)

<223> n equals a,t,g, or c

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ggccctgcgt ttagccagga tgtggctctc cagcttgggt tcagtgtgat cacttgtcag      180
tgcgctttct ctttcgatag tgaaatcctt ctctatacct atgttttggt tgtttctta      240
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<211> 1219

<212> DNA

<213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (606)..(606)
 <223> n equals a,t,g, or c

<400> 63
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 <211> 2630
 <212> DNA
 <213> Homo sapiens

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 gtgccgcccc cacagccgag gcgggaaagg gggacgcccc gcctctgggc cgctgccttc 180
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 <212> DNA
 <213> Homo sapiens

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<210> 66
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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cttaatttgt	gttttttaaat	tttgattcag	aagtagtccc	agctcatagg	tgttcatact	1380
gttacatcca	gaacatttgt	caggctctct	gtcagctttc	atgtacatat	ggtatagaaa	1440
ccatggagtt	aggcacttcc	tggatttttt	ttttatgaga	aaaataactgt	atttaaaatg	1500
taaaataaac	ttttaaaaag	caggcactaa	tatatatttc	ttccagcctt	tgattacaaa	1560
tttgtccttg	cacatgttaa	gatgaattat	ctcctaaaaa	tatcattggt	cttggggagca	1620
gtgtatgtta	ctttacatag	cagcggttcc	tgtcatgtgt	tcatgtcaga	atatttttgg	1680
ttttaaactt	tcttattgcc	tttggctggt	gattagtaca	gtacaagtgc	gatttcaaaa	1740
agatcttgaa	agtaatatat	ttaatcaatt	aaaatgttta	tctgtaaaaa	aaaaaaaaaa	1800
aaaaaan						1807

<210> 67
 <211> 1732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n equals a,t,g, or c

```

<220>
<221> misc_feature
<222> (56)..(56)
<223> n equals a,t,g, or c

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```

<220>
<221> misc_feature
<222> (83)..(83)
<223> n equals a,t,g, or c

```

```

<400> 67
ttaaantggt ttttgggggt ttattcccaa aggaaaacct tccaccaaag gttacntatt      60
tacctagggt caaaattata ttnttttagga aggtgccctg gatttttggt caggagattt      120
cttacmaacc atwttaaaaa mcmaactttg aaaagtmcc tactaccaga agcacttaga      180
ctatcacaga aaaatacatg aagagttaat gtctgagata agaccagcag cttatagtta      240
taagaaaaac acactgtaca atgtttgggg gggaaatctg ttgtttatag aaaagcttta      300
cctttttctt atttatcctc agataacgtt gtgaaatctg ctcatcagta aggtgatat      360
ggaaagaatt ctctttttct atctatgggt tatttacata ttaaaatttt actcagttta      420
ttaagtacac atatgatacc acactagatg caaatatata tacaggctat gacagtcaat      480
gttcaattta atactgggtc ataaagtga tttattcaaa tgtaacaact tcacttgaat      540
tttttggatc acacatatcc tatataaagc catctgggtt ctaatattat gcacaacaca      600
ttccatttta attataacat tcatctacaa gaaaaacaag gaaaacaatt caaaactatg      660
ttagtaatta gttcttggtt ggtccattgt acgcaatcag graagtatag gacttaatta      720
gttgctatca aattgaagcm atgaaaaagg taaaaatcaa gtacttaaa taaaaatatg      780
gaaataaccc cccctcccca atactwwagg gacacwwaac aacaactact gtcccatcaa      840
gcaaaagtgg aaaacaaaca gagcatgtgt gtaacctcac ttaccatctt tttgttattc      900
tacttcaacg ggtcaagaaa ggtgaagaga gagaaggtag aagtaagagt cagaaaaggc      960
ctaaataaaa tctcactga aatgtttaaa catacaagca atagagacaa ttaggttgag      1020
gtcagatgca gtactactat atttaatgga gttaataatt agggccaaat taacatggac      1080
agttattcct gaatgcaaat taactcatta aacgatttaa atttccattt ttcagtctac      1140
cacattttag ctaacaagac acaaaaagta taagtcaaaa tataagcac aggaattcca      1200
aaaagtaagc ttctttaatt cattactgaa cttaagaact ttaattaaga aaaataaatg      1260
ataacagcaa aggtctagct gagtaggcag agtgtttagat agctcagggt tgtttttcca      1320
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agaataatth aacttgatag gcttacaaga ttgcacagag tgaacagaat tgagccaata      1440
gaatacagaa tgacaaacca tacmagcaaa tgctgctagg gaattccttg gcaaaaatgk      1500
tttatttagc tactgacaaa tttgatttct atcacttggc cttaaacacg aagaaagtgg      1560
gcatgaagag atgtgtagtt atttgtgcct atgttggaa ataaatttat ggctatacat      1620
gatatttctt catacctcaa aaattttatt gtccagtata taaaaaagcc attctttaa      1680
aacctgacac tgaataaaaa gtatagcctt caacttcatt aaaccggcac ga      1732

```

```

<210> 68
<211> 1052
<212> DNA
<213> Homo sapiens

```

```

<400> 68
gctgccgtgt gcacggccgt ctggtctctc tcccacacgt gtgcgcaacc tgtcatggag      60
atgtgagggc cttgtgtgtg cttctgtgtg tgactgtgtg actgcggggc cagacccccg      120
cctggcgggt atgtgggccc ttaaatcact cttcctgctc accccctccc cagtgattcg      180
gttttacttt gcagcactgt ggatccgggc agctggggc cttctcgggg gtggggggtc      240
ccccaccccc ccacaaagtc tggccccagg gttctcggag gcaggggggc tctgttagtg      300
cgctccctcc agctgcaggc acatagcccg agctcacagc tcgcctgagt cgacgccggc      360
tggggtgaaa gctccaagtg ggccctctgg cttcccgctg ctctgggtcc agagtgtctg      420
gagcatgtgg cacagaccag ggccccctgt cctccgagga ggggtgggaca tcctctctgt      480
ctcacgcccc tgggtggaga ttctggctgg cctcctctcc ctgtttgcca aggtcaaagt      540

```

gggccaaggg	tgcaggtgct	tagcctgggt	ccctctccc	ggccccgagg	ttctgtgggt	600
tgggcagatt	ggagacagga	ctcgtgtaag	ggctctgctg	gggtgaagga	tgagacaga	660
gaaaatcaag	atcctttcac	aagttaattc	tacgtctgct	gagccccagc	ccccgacaca	720
tcacctgag	gaggtgctag	gcttctctgg	gccccctgtg	ccccatccac	atgttgacaga	780
gtaaactctgg	ccccttggac	ctgggggtccg	agatggacgc	ctggctgccc	ctcctggact	840
gcgggtgaca	gctggcgaga	cactgcgggg	cttgggtgcg	gggagatgga	gtggggctga	900
gctgcatttt	tccagccacc	ccacatccca	cagaagggga	gtcatggtca	gtgccttgag	960
ctggaaagac	gggcaatgct	tccggcccac	accaaccaag	aaaaccacca	ggggctcatt	1020
catcctctca	aaaaaaaaaa	aaaaaaadc	ga			1052

<210> 69
 <211> 992
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (405)..(405)
 <223> n equals a,t,g, or c

<400> 69						
ggttccagcc	caccccatcc	cacacccacc	tggtctcatgt	ctctctgacc	tcagttccc	60
cctgcacccc	cagggatggg	tggaagggt	ctagaaggta	tggaacctga	gtgggtcact	120
tctgggtggg	aatctggcta	gtcagaagca	tgagtgatcg	aatgaacaag	aatgctctgt	180
aaactctgag	acctttggag	gctgcagagg	gagaggggag	cagaactcca	gagatctgca	240
tcttgtcaga	ggagtccatc	aagctgatt	ggggagaagt	ccccgcactc	cccagctcc	300
ccggctctcc	cagcagctca	tctacctgcc	cccacctgg	ggcacctgca	aagctgttac	360
catggactcg	gatttggatt	tcttcgactc	ctacagcatc	actgnctgcc	gcatcgactg	420
tgagacgcgc	tactggtgga	gaactgcaac	tgcgcgatgg	tgacatgcc	aggtagc	480
kggggytccg	agcatactcc	tggggtcctg	ggscctttgct	gccyttcact	agctcccat	540
ccatatcaat	ctcccttccc	atcttctccc	agcttacacc	ttctaggcct	ttggtactac	600
caccatcacc	agaccccttg	aattcccac	ctgcatcatt	gtcttttctc	ctctgtaggg	660
gatgccccat	actgtactcc	agagcagtac	aaggagtgtg	cagatcctgc	tctgggtgag	720
cgccccctggc	ctggggcagt	ctggggggagg	gaaaagggtgc	tgccagccac	gtgcgcagga	780
gtttcagggtc	acgctcccag	aagcctcaca	taactcctgg	actgggctgc	accctctctt	840
gtgtctgaca	ttaaagctga	gaatggctag	tcatgggtggc	ttacacctgt	atcccagca	900
ctttgggagg	ctgaggtggg	caaattgctt	gagcccagga	gttcgagacc	agcctggttt	960
catggtgaaa	ccctgactct	atgaaaaaaa	aa			992

<210> 70
 <211> 1229
 <212> DNA
 <213> Homo sapiens

<400> 70						
ggcacgagaa	aatacaaaaa	ttatccaggc	gaggtgggtgc	acgtgtgtag	tcccagttac	60
tcgggaggct	gaggtgggag	gatggcttga	atctgggagg	tgaagattgc	agtgagctga	120
gatcacacca	ctgcattcag	tctggataat	agaacaagac	tctatctcaa	aaaaaaaaatt	180
gtatacttta	ttgactcatt	tatgtctgat	gggtattttt	gattacaaat	tgtagtca	240
ctactttaag	gctgtcttta	tttttttctt	aattttattg	actcatttat	gtcttagtct	300
tttttattac	aaattattta	ttgttcagtc	actaccttag	agcctgtttt	attttttctt	360
aattttatta	aaggatgata	ttgatgatga	aatgtcttac	gatgatcatt	tagaggttta	420
ttttgaacaa	ctggcaattc	cacgaatgat	ggaataaaac	atatgaagta	gaaggactgg	480
aacctccaga	aaaagtactt	taagttacct	acaggtgatc	ctagtcagg	atgaattgat	540
aagaaatgcc	tgcaccttcc	ctccttccta	tctttccctt	gcctacagaa	aattaaaagg	600
caaaacaatg	gacatctaca	tattcttcat	tcagatcaac	cagtggcag	catttgccac	660
cttttgcagt	ttcttttctt	ttccataagt	actttcttct	ctgaatcatt	tgaagcaaa	720

tgaaaacagt	agcctaaagt	gtcagtttca	accagaaaat	aacagctctg	atttctcatg	780
gctcacactc	ttctgaaacg	actcgggtag	aggctgagga	aggccgtgtt	gtttgtctac	840
ctgggactag	taagtataga	aatagaattc	ctttgttctt	aaattctacc	tttgacttta	900
ctttttaa	ataatttctt	tggtacgatt	tagtctcatg	ctgtaatcct	agcatttttg	960
gaggccaaag	agggagaatt	gcttgagccc	aggagtttga	gaccagcctg	gacatcatag	1020
ggagactctg	cgcacgcaca	cacacacaca	cacgcgcacg	caaccggga	atggtggcat	1080
gcgactgtgg	ccccagctgc	ctgggaggct	gaggttggag	gatcatttgg	accaggagg	1140
tggagactgc	agtgagccat	gattgcacca	ctgcactcca	gcctgggtga	cagagcaaga	1200
ccctgtttca	caaaaaaaaa	aaaaaaaaa				1229

<210> 71
 <211> 1811
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1804)..(1804)
 <223> n equals a,t,g, or c

<400> 71						
tccacggatt	ctctgccaca	aggatatgtg	gctcagtgtg	gtcaagttcc	ttccaaagaa	60
cctgcacttg	gtctgcgtgg	acatgccagg	acatgaggg	accacccgct	cctccctgga	120
tgacctgtcc	atagatgggc	aagttaagag	gatacaccag	tttgtagaat	gcctgaagct	180
gaacaaaaaa	cctttccacc	tggtaggcac	ctccatgggt	ggccagggtg	ctggggtgta	240
tgctgcttac	tacccatcgg	atgtctccag	cctgtgtctc	gtgtgtcctg	ctggcctgca	300
gtactcaact	gacaatcaat	ttgtacaacg	gctcaaagaa	ctgcagggct	ctgccgccgt	360
ggagaagatt	cccttgatcc	cgtctacccc	agaagagatg	agtgaaatgc	ttcagctctg	420
ctcctatgtc	cgttcaagg	tgccccagca	gatcctgcaa	ggccttgctg	atgtccgcat	480
ccctcataac	aacttctacc	gaaagtgtgt	ttggaaatc	gtcagtgaga	agtccagata	540
ctctctccat	cagaacatgg	acaagatcaa	ggttccgacg	cagatcatct	gggggaaaca	600
agacgcaggt	gctggatgtg	tctggggcag	acatggtggc	caagtcaatt	gccaactgcc	660
aggtggagct	tctggaaaac	tgtgggcact	cagtagtgat	ggaaagaccc	aggaagacag	720
ccaagctcat	aatcgacttt	ttagcttctg	tgcacaacac	agacaacaac	aagaagctgg	780
actgaggccc	cgactgcagc	ctgcattctg	cacacagcat	ctgctcccat	cccccaagtc	840
tgacgcagcc	accactctca	gggatcctgc	cccaaatgcg	gtcggagcgc	cagtgaccct	900
gaggaagccc	gtcccttatc	cctggtatcc	acggttcccc	agagcttttg	ggaccacgcg	960
aaaacctcca	agatattttt	cacaaaatag	aaactcatat	ggaacaaaat	aagaaacccc	1020
agccatgaaa	tctaccatga	agtcttcaag	ttcatgtcac	tgacaagctt	gtgcaaagca	1080
gccaccttgg	accataatta	aatcaaggac	attttctttg	agacattcct	tatagttgag	1140
gactcaagat	atttttgttg	catcagggtg	attcccttgc	atgggcagtg	gctttttatag	1200
gagcattagt	cctcattcgc	tgaaccctgt	tgttttaggtc	taattttaagt	tttacctaga	1260
gacccatgta	tgactgcagc	ccattggctg	caagaccagg	gaggaaagtg	gcaagctgta	1320
gaaaatgttt	acacgcatgg	aggggcattg	ctccagccct	cagagcgtcc	ggagcagcag	1380
grtacatggg	tgggaggttc	attcagcacc	caccagtcag	gtatgttctg	agtgaaccca	1440
cagcagtcgc	agaatgagca	cctggcaggg	tgggtttcct	aggaataatt	tattattttt	1500
aaaaataggc	ctaataaagc	aataatgttc	tagacatctg	tctaagtaat	caagctcagg	1560
ttccacacac	aagcaacaac	tcgtgggcct	cttttctatt	tcaatgtgct	actaagaacc	1620
cttgatgta	acatactagt	tagttaatga	attctgtgaa	ttctgtgaag	agtaatgtga	1680
ttgaaaataa	gtctaaacag	ctgtaaaagt	gaccacaatg	acatgaaata	aatttaataa	1740
gtctagatca	gcaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1800
aaanaaaaaa	a					1811

<210> 72
 <211> 2534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (174)..(174)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1350)..(1350)
 <223> n equals a,t,g, or c

<400> 72
 agcaactcta tagatcatag aggaaacggt acctgcagta ccggtccgga attcccgggt 60
 cgaccacgc gtccggcatg catgggaata gcggccctgg aggatgttag acttgctccc 120
 tctccaagac agcagcagcc tgcacctgcc ccgtgtgtgt ggccggcctc ytntcacc 180
 ttcccggccc ccggccaagg acccaggcgc tgcatacagg ggaggggccc acccacagct 240
 ggggcccgtt ttccctcagct ctaggctgtt ctgtagctta tctgcccctc cccactttc 300
 aagacagatg agcaggagct tgggtctctc tcggcccctg ttgttccca gccctgcag 360
 attctgagca aaggccctgg gtaagaaggg tgggagtggg gcctttgccg gcagagccag 420
 ggcagggcga gctgcaggaa tcacctctct gccctgcag ctggaatgtg ccacagaggc 480
 cccacctgaa gggatgatgtg ctggaggggt ggcccagagc catactgcgt ccacctgag 540
 ctccgggaca ggtgacagt gctgctctgg gaaggggctt ttagatgtaa cctacaattc 600
 agttaggcta gagacagatg ctggtggagg aagggtctgg ccaccaggga tcacagacca 660
 caggaagatg ggaggtggaa gcagaggccc tgccccacc ccttctctgtc tcaactctct 720
 gtcttgtccc caccatgctg ccttcgtgcc tgagacagg gtggccacac aggcagggcc 780
 tggctccagt ctcatcctcc cattgcccag tgagccctgc tcttctctcc ccagcccct 840
 cccaccgctg cctcgtagag tgacctcgga cagagcccc ctagcaatac agggaggctc 900
 ccggggcctg gacaggcggg ctccggaggct acccgtctgt gccgggtgcca gctgcccttg 960
 caggggtgggt gagctctcag gccgagagcc ttattttacct agtgcaaaaa ctgtaaaagt 1020
 gtacagactc ttcacagatt tttatcttaa ttgcaagtct gccgattttg taaatgttct 1080
 tgggtgtttga ctgtaatgta actatctcac ctaatggttg tacatatcct ttggctcctg 1140
 tgctgccgag ggctggccgg gactgctgct ctcccagggt ttttatttta tttctgaatc 1200
 tagagaacag tattgggcag gaggaaaagg cttggtgtct gcgggggggtg tcttccctgc 1260
 ctgtggcatt tgtgtgttgg ctttgcagct gctgtctgag tagtggccac tgggggtgct 1320
 tcaactgggc agtcaacggg gggctcctgn ccaggccaca gagaacctga gttcccggga 1380
 gctgggccct gcctgcagcc agggctgggg ttgccagagg ccctggaggg aaggacagtc 1440
 cctgctgggg aagaacagcc ccggggcccc ctggtcaccg agactcagcc tctgctggag 1500
 aaagccacgc cctccctgct agcacagagg cctgactgac ttttttgcct aacttccatg 1560
 ttctgggtga tggaaactgc caaaatcct gtcagttagg actctttccg actgcccaga 1620
 aagtgggggt ggaggaccga ggctacagct ccacacgccc cggccccca gagcatctgc 1680
 cccaggtaca cctccccctg cgccccgcac gactgcggga gccagactgt ccagggaac 1740
 agcctctctc ttttctacac actcagccac aaagcccccc agctcccaca ccgcgtcca 1800
 gctccccctc tttgtaagta tgtgaaaagg aaaaaatgca aacgttggag tttgggctgg 1860
 agctcctccc tccagctgcg acttttaact atgtaataat gtacagagga agctgttgg 1920
 gttctaagac tctgtgtggc tgtgcaattt ctgtacattt gcaattagaa atattaaaga 1980
 tttatttagc tatttttaaaa aaaaaaaaaa aaaaaaaac tcgagggggg gcccggtacc 2040
 caattcgccc tatagttagt cgtattacaa ttcactggcc gtcgttttac aacgtcgtga 2100
 ctgggaaaaa cctggcgtaa cccaacttaa tcgccttgca gcacatcccc ctttcgccag 2160
 ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgcgcagcctgaa 2220
 tggcgaatgg caaattgtaa gcgttaatat tttgttaaaa ttcgcgttaa attttgtta 2280
 aatcagctca ttttttaacc aataggccga aatcggcaaa atcccttata aatcaaaaga 2340
 atagaccgag ataggggtga gtgtgttcc agtttggaac aagagtccac tattaagaa 2400
 cgtggactcc aacgtcaaag ggcgaaaaac cgtctatcag ggcgatggcc cactacgtga 2460
 accatcacc taatcaagkt ttttggggtc gaggtgccgt aaagcactaa atcggaccct 2520
 aaaggagccc ccga 2534

<210> 73

<211> 1434
 <212> DNA
 <213> Homo sapiens

```
<400> 73
ccacgcgtcc ggggagattg agttagagtt gtgatgtttg ggctagagga tgacaagatg      60
agctgctttg tcggttccag atatctccag cccagcagag atggccctct gcagtctagc      120
cgtattttgc ccttccacca ttcttggtg tgacctgggtc cagctgggccc ctgaatgaat      180
gtttgcttct caggcagta ttctccctc ctcaccaagc cacctccaca cagctctaag      240
gaagctcccc caggtccagg cctcagggga gccctgccct caggccgacc ctactgcctt      300
ttcagagccc tccctgccct cctcggaggt tgcctgatgaa cctcctacct tcaccaagga      360
agaaccagtt ccactagaga cacaggctgt tgaggaagag gaagatcag gtgccccgcc      420
cctgaagcgc ttctgtgtgg accaaccac agtgccgcag acggcgtcag aaagctagca      480
ccatccccgg cctccgcctc ctggccctgc ctctatttat tgcattctgg ttctggccgc      540
gccgcgttgc tggggtaagg gcaagcactg gggtaagag cctgcacaca tgagccttcc      600
gggctggaag gctggcgtag gacttggggc tgtagcatca tcttcctgac cctggcacct      660
gtgtctactt gctcccgaga agaggagcgc tcatgtcttt ttgaccccc aagttggctg      720
gagcatcgcc caccacaaga ttcatctgtg acctccaggc agcagttctt gctccagaat      780
ctctggacgg agctgctggc agcttctgag agaagagagag atgtggaag gcacctttta      840
gaagagagcg tgcctcaggt tactgaactt gaacggagac tgtagactcc cggactttcc      900
cctaggactg ggggccctgt aggtgtgtgt tggaggactg ggtagagaca ttggagggaa      960
gggaagggct tttctccaca caagggcaga gagtccgtct agatttcttg ctgtcctgcc      1020
agctctgccc atgcctgagg tggctcctacc tctcacgggc acctagctg ctgacagccc      1080
tttggtggccg ccgtcccat cccctgccct cagcacacac atctgcacac acgcagcttt      1140
gttctcacct ctacctgtca ttccagcatc cctgcctctt gtcacaaact gccccagcaa      1200
gaatttgagg ttctgacaac agtaccatc ccccagta ccccttcagc tcagtttcta      1260
gaaagctccc ttttctttga aatctgcatg ttgaattgaa ctttgtgatt ttattttttg      1320
tttcaaaaaa gtttaagaaa atggaaatgg gcaacagtga gtgaagacat atttttagcac      1380
tgaatagaat atttttaaaa ttaaactatt tgaaatatga aaaaaaaaaa aaaa      1434
```

<210> 74
 <211> 910
 <212> DNA
 <213> Homo sapiens

```
<220>
<221> misc_feature
<222> (17)..(17)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (857)..(857)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (862)..(862)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (883)..(883)
<223> n equals a,t,g, or c
```

```
<400> 74
gggccggaat tcccggntcg accmacgcgt ccggccgcca tctcaggtct cttggctttg      60
```

cagggccac	cggagaaaac	tgacgaccg	ttctgtaat	ccttatggga	gaccaacct	120
gtgcctccg	gagatccact	ctcccacctg	gaaacgcacg	ggaagccaag	cctccaaaaa	180
agcgtgcct	cctcgtccg	cgttgggatt	atccggaagg	aactcccaac	ggaggtagta	240
ccactctacc	ctccgcacct	cctcctgcac	cagccggcct	gaagtcgcac	cctcctcctc	300
cggagaagta	gagaaataaa	ttctcccac	cctaaaccag	tctttgagtg	attgcagtat	360
gtaccattt	cctcggtgca	ttcatataat	agttcacctg	gtgaaaacaa	tgaagattat	420
ttatacgtc	accctgcttt	ttctggtgtc	ctgaacctgg	aagttgtgct	ttttaagctc	480
tatgatgtaa	tcagcacgat	ttcacttctc	gaatttcgat	gaattctaag	acbgggcaa	540
gatcgggttg	taagacctct	gagatttaag	gccatgccct	ggatcatggg	gaacttacca	600
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<210> 76
 <211> 788
 <212> DNA
 <213> Homo sapiens

<400> 76						
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gcaccgccct	cctctctgcc	cacttctctg	tttggcaggc	cctagtgtg	tgggcggaact	360
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<210> 77
 <211> 1264
 <212> DNA
 <213> Homo sapiens

<400> 77						
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aatt						1624

<210> 78
 <211> 892
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (33)..(33)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (855)..(855)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (868)..(868)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (891)..(891)
 <223> n equals a,t,g, or c

<400> 78						
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taacactttg	tgtagctctg	tggagttgga	ttttcttaag	gtttaaaaag	aatcacagct	180
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tatttcagca	taccattttt	acttggttaa	cagtgtacat	tttgataacc	tatcaggaat	780
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892

<210> 79
<211> 597
<212> DNA
<213> Homo sapiens

<400> 79
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cttgaatcca tcttctgggtg tgtcttacag ttttctcaaa aacaaaaggg ttctcacttt 360
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<210> 80
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (308)..(308)
<223> n equals a,t,g, or c

<400> 80
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<210> 81
<211> 1143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1109)..(1109)
<223> n equals a,t,g, or c

<400> 81
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ggg						1143

<210> 82
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (373)..(373)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (397)..(397)
 <223> n equals a,t,g, or c

<400> 82						
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tttttgtgtt	ttcttttttt	gggggtgttt	ttttttaact	gcctggtaca	aaaaaaaaaa	360
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<210> 83
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 83						
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agctcccagc	agcaggcct	tgtttcccag	ggaacaatgc	atctgtgtca	cggacaacaa	120
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ggagcccaca	ctccctcagc	cctcccacac	gtcctctca	actcctagct	gggcttcgct	420
gacttgaacc	tggccgagtt	tgccgggtcg	gggtcccaag	gtgcgctgct	g	471

<210> 84
 <211> 467
 <212> DNA

<213> Homo sapiens

<400> 84

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tcacatggaa	agtctaggca	cagttcgctc	ctcagagagc	cactgtgtgc	catctccatg	180
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taatctcttt	cctggcttct	ttgagtgcc	actgggcctc	taccgggtga	cactcctcct	360
caatccagtc	ctctcgcatg	cgggccagct	gggacttaag	ctccacgatt	tcactttccc	420
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<210> 85

<211> 761

<212> DNA

<213> Homo sapiens

<400> 85

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gcacagagga	gtccaaggct	aggttgctta	gagtcagct	cttctcacga	ccctagtcgg	180
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<210> 86

<211> 943

<212> DNA

<213> Homo sapiens

<400> 86

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atgatcaaaa	tttghtaatta	ggctaatacca	tttagtgatt	cctaataattt	gtactcaca	420
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gaatttaaa	tctttatcgc	taagaccttg	actttaaatt	tttcatcact	acaaccttga	540
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ttatgttagg	attaagtatg	ttttcctgaa	acttggattt	ttttgtaat	tatataattg	840
agagttaaga	atgaaatcct	tcaagtgtta	aaaactcaca	ttttaaaagc	aaatttttgg	900
tccaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaa		943

<210> 87

<211> 497

<212> DNA
<213> Homo sapiens

<400> 87
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 ggtatgagtg ttattagaaa cgtggctctc tcttctctta tgcatacaacc tgtaatgact 180
 ccctaatact tatgtgataa ccacactttg tctctcaaga attccaagg cagagagaat 240
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 gctacagaga tatttaacat gacttatcaa ttaattaatt ataagtttcc ctactctgct 420
 agttttactt caaataatga agggaaactt ataattaatt gataagtcac gttaaataata 480
 agtttccccg acgcgtg 497

<210> 88
<211> 1536
<212> DNA
<213> Homo sapiens

<400> 88
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<211> 1550
<212> DNA
<213> Homo sapiens

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<210> 90
 <211> 1997
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1468)..(1468)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1495)..(1495)
 <223> n equals a,t,g, or c

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<210> 91
 <211> 2582
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1006)..(1006)
 <223> n equals a,t,g, or c

<400> 91						
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<210> 92

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 92

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<210> 93

<211> 2187

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (347)..(347)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2097)..(2097)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2187)..(2187)
 <223> n equals a,t,g, or c

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<210> 94
 <211> 4115
 <212> DNA
 <213> Homo sapiens

<400> 94
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<210> 95

<211> 2196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1921)..(1921)

<223> n equals a,t,g, or c

<400> 95

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 <211> 1489
 <212> DNA
 <213> Homo sapiens

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 <211> 645
 <212> DNA
 <213> Homo sapiens

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<210> 98
 <211> 701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n equals a,t,g, or c

<400> 98						
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<210> 99
 <211> 552
 <212> DNA
 <213> Homo sapiens

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 <221> misc_feature
 <222> (3)..(3)
 <223> n equals a,t,g, or c

<220>
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 <222> (69)..(69)
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 <223> n equals a,t,g, or c

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<211> 1756
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<211> 377

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<212> DNA

<213> Homo sapiens

<400> 101

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<210> 102

<211> 660

<212> DNA

<213> Homo sapiens

<400> 102

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<210> 103

<211> 2261

<212> DNA

<213> Homo sapiens

<400> 103

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<210> 104
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 104	
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actgtgctgg	gtgggcttag
cctttccaca	cttgccctgct
tattgggatt	ggtgaacctt
atctctcact	aattgtttca
acattaaaaa	aaaaaaaaaa
	aagggcggcc
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	525

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 <211> 809
 <212> DNA
 <213> Homo sapiens

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 <221> misc_feature
 <222> (372)..(372)
 <223> n equals a,t,g, or c

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ccaagttgt	agttcttggt
tctgcgtctg	tntcctcatc
taaataggga	taattacacc
aggtataagt	tctagtgttc
gtttcaaata	gctagaagaa
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	agttattgtg
	tattaaaatt
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<210> 106
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 <212> DNA
 <213> Homo sapiens

<400> 106

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<210> 107
 <211> 845
 <212> DNA
 <213> Homo sapiens

<400> 107

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aaaaa						845

<210> 108
 <211> 1526

<212> DNA
<213> Homo sapiens

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tctttttcaa tttcttaaaa aaaaaa 1526

<210> 109
<211> 941
<212> DNA
<213> Homo sapiens

<400> 109
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ctgatggagt ccgtgctctg gactcactgg ccaccagga atgactgtca gcaaytccct 180
ttaacgcttt tcacctctga agagagggac cgtatccgaa gagaggccag aaagtatttt 240
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<210> 110
<211> 867
<212> DNA

<213> Homo sapiens

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ttttccctaa atttgtcccc cctttactct cctctatatt ttctctcctt agactccctc      780
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<210> 111

<211> 1875

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (334)..(334)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (966)..(966)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1304)..(1304)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1319)..(1319)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1329)..(1329)

<223> n equals a,t,g, or c

<400> 111

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ctccaatttt gaaagaagtt ctgctgcggg taaaatgctg tcacacagca tcacatgcta      300
cagagaaatc ttcatgaag agtcaatcaa tgangacamm cttcattgtt gtcttatttc      360
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<210> 112

<211> 2036

<212> DNA

<213> Homo sapiens

<400> 112

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gagaattttc	ttctatgagc	ttcttctcta	tagggttttg	gaaagccagg	ataatcccat	1020
taagagcact	caggaatcga	gggagagcaa	tgctccccac	agcccagtg	ccttgtacat	1080
gtttttttct	atagataact	aagttcatgc	taaagcagga	gctttataat	gctctttaac	1140
tgtgccccaa	cttcagccca	attgaaagga	gaagatgtgt	agcatatgtg	ttccacaaag	1200
cagatgacag	cacagcttac	attttgaggc	tgacgatgtt	cagtgggtct	tcactgggac	1260
taccaccaag	gaaagtatcc	cctttcatat	ccaggaactt	atttttcaga	gatcagagaa	1320
gatctagggt	cctcctgatt	caaaacacag	cagagaatga	cagcatcaag	acaacgtaga	1380
tggtgggtgcc	aggtcataaa	ttacaagctg	agtcggttca	attttatcct	gtaggcaatt	1440
aggagctagc	aaagatttct	gagcagtatg	tgactttttg	aatctgtgct	ttaggaagtt	1500

gacttggcag	caaaggaggg	aattgtctat	gacagagcct	ggaggcaggt	tacaagctgg	1560
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tactgcaggg	acagatagga	gaggtgacct	ggggagaaatg	cacagtcctt	ggtattcatt	1680
taaatggaca	aaagaaatga	tgctgtcaaa	agtacttcca	ttggggccagg	cgcagtggct	1740
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ttcaagacca	gcctggtcaa	catggtgaaa	ccctgtctct	actaaaaata	caaaaattag	1860
ctgaccggta	gtggtgtgca	cctgtaatcc	cagctgcttg	ggaggctgag	gcaggagaat	1920
cacttgagcc	tgggaagcag	aggttgtggt	gaaccaagat	tatgccgctg	cactcctgtc	1980
tgggtgagag	agtgagaacc	tgtctccaa	aaaaaaaaa	aaaaaaaaa	aaaaaa	2036

<210> 113
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n equals a,t,g, or c

<400> 113						
caggaactag	gaggttctca	ctgcccagac	aganggccct	acacccaccg	aggcatgggg	60
ctccctgggc	tggtctgctt	ggccgtgctg	gctgccagca	gcttctccaa	ggcacgggag	120
gaagaaatta	cccctgtggt	ctccattgcc	tacaaagtcc	tggaaagttt	ccccaaaggc	180
cgctgggtgc	tcataacctg	ctgtgcaccc	cagccaccac	cgcccatcac	ctattccctc	240
tgtggaacca	agaacatcaa	ggtggccaag	aaggtggtga	agacccacga	gccggcctcc	300
ttcaacctca	acgtcacact	caagtccagt	ccagacctgc	tcacctactt	ctgccgggcg	360
tcctccacct	caggtgcccc	tgtggacagt	gccaggctac	agatgcactg	ggagctgtgg	420
tccagacaga	ggggcaggcc	ccagggtgga	gatgatctgc	caggcgctct	cgggagccc	480
acctatcacc	aacagcctga	tcgggaagga	tgggcaggtc	cacctgcagc	agagaccatg	540
ccacaggcag	cctgccaaact	tctccttctt	gccgagccag	acatcggaact	ggttcttggtg	600
ccaggctgca	aacaacgcca	atgtccagca	cagcgccctc	acagtgggtgc	ccccaggagg	660
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ctccaggatg	ctgggctgga	cccacgtggg	cccagggtgt	gaccagaaga	tggaggactg	780
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gagtgaagag	gagtttgggg	ggttcaggat	agggaatggg	gaggtcagc	gacgcaaagc	900
agcagccatg	tagaatgaac	ygtccagaga	gccaaagcacg	gcagaggact	gcaggccatc	960
agcgtgcact	gttcgtatct	ggagttcatg	caaaatgagt	gtgttttagc	tgctcttgcc	1020
acaaaaaaaa	aaaaaaaaaa	aactcga				1047

<210> 114
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (638)..(638)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (656)..(656)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (675)..(675)
 <223> n equals a,t,g, or c

```
<400> 114
ttcggcagag tggccctcc tgcacactaa gccccccaca gactcagcct ccaaggaacc      60
gctgagcacc cttgaagcat gtcattgtca gtgatacctt tttattctat ggaactctaa      120
cctattcgtg tcatattgac cttttgctgc atgagtcata aattatgaaa tcagtccttac      180
agtttttgaa atktagccag catttgtaag gctaaacctt tttcatgaac tgaatttaag      240
tgaataacca agccacagtt cctcctcaaa tggagagtga tgatcgacat ttgaatctct      300
ttgccctttc caacggctat ggcatcaggt tctaaaataa gctcgttaatt tttcctgtta      360
ttttaataat atggaaatat tagcatagtg tttccttga tagtgataga ctataatcca      420
tatttaaat ttatagagaa gaaattttat tgtactgtga tgtagatatt tattatccag      480
gtaaggattt gcccggtgtg tattttttac aattgagaca ttttacttta atctttaaaa      540
aaaatgcatt aaaaacacac tcaaaaaaaa aaaaaaaa ctcgaggggg ggcccggtam      600
ccaattcgsc ctatagtgag tsgtataaaa tcaactggngt cgtttacaag tcggangggg      660
aaacccgggt tacna                                                    676
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<210> 115
 <211> 924
 <212> DNA
 <213> Homo sapiens

```
<400> 115
ggcacgaggt caggttgggt aggagagagg agagtcttg aggggctgct ccatgggggt      60
cacacctctc tctgtgggt tttcgctggt gattgagttc tgaggcattt gctgcattga      120
ctgttgtagc tttaactcgt gtgcacgtgt gacacataaa gccccaaagag aagggtgccc      180
tggctcagat gcacttccat gctgattata tgcattgggtg ttgaaagcag tgctggctga      240
gcagcgatcc cagtgcagtt tgactttatt ctttgctcaa ataggtgaag gccacgggtc      300
ccggcctcga aggtggtctc gtgggcaagc ctgccgagtt caccatcgat accaaaggag      360
ctggtactgg aggtctgggc ttaacgggtg aaggtccgtg cgaggccaaa atcgagtgtc      420
ccgacaatgg tgatgggacc tgctccgtct cttaccttcc cacaaaaccc ggggagtact      480
tcgtcaacat cctctttgaa gaagtccaca tacctgggtc tcccttcaaa gctgacattg      540
aaatgccctt tgacccctct aaagtcgtgg catcggggcc aggtctcgag cacgggaagg      600
tgggtgaagc tggcctcctt agcgtcgact gctcggaagc gggaccgggg gccctggggc      660
tggaagctgt ctcggactcg ggaacaaaag ccgaagttag tattcagaac aacaaagatg      720
gcacctacgc ggtgacctac gtgccctga cggccggcat gtacacgttg accatgaagt      780
atggtggcga actcgtgcc aacttccccg cccgggtcaa ggtggagccc gccgtggaca      840
ccagcaggat caaagtcttt ggaacaggaa tagaaggga aggtgggttt catttaaaaa      900
aaaaaaaaaa aaaaaaaaaa aaaa                                                    924
```

<210> 116
 <211> 1121
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (286)..(286)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1102)..(1102)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1105)..(1106)
 <223> n equals a,t,g, or c

```

<400> 116
gtttctttat tcctaattgca gttagaaaga cttttctcct tgagctcttt gactcccaga      60
aggtacccca gtccccagtg tacttagaaa ggatctcgaa cattgctgga cgtccctcata      120
gtactcacia agggctagcc ttgaatgtca ctgcgccagt cttcagtctc ctgacttaga      180
gatacaatca cgtcacaggt ctcttggcct caatctgaaa actgctgccg ccgcgccgag      240
gagactcgca tgccgccacc acctcactgg gagggcgccg agcanccgt cgcgccctag      300
accttgacag ctgcagctgc cttgccttgc cgccgcctcc ctgcagggcc cctgttccaa      360
tgaaaaacag aacacaaaag agcagagcac ctaagcctgt ctctgcctcc ctgtctaccg      420
gactggccag ggccaagacc cccgtgctc cactgcgggg ctgggcgggc tgactccctg      480
cttcctccar gctgctgcct cccctgcagc cagggctctg gcagggtgca gccggtcctc      540
gggcgcacgc agcttccttc aagtacactg tgtgtgcttc cgggacctgc ggcatgcca      600
cgggcctgcc ttttctatgc gcctcactag cttaccaccc tgtgcaggta atgcaactga      660
ctttgtctca tcagtctttt tctttccctg ccaccttta tttatcaagc gtaatgttac      720
actttaaagg acagcaaata agaactttgt agaatccac caggactttg ctaacaataa      780
tgtttgaaa taaagaagtg ctctgaaaaa atatcagcca ccaaaatagt tatgttgga      840
ctgtgtcac acgcatggtc cccacacccc caggttggtt ggggtttttt gttttttggg      900
ttttttggg gggggggcct tttcatgtta catccatc tgtatttata tcttatttgt      960
ttcactttca agtgtatcat ggcaaatgta cagatttttt tgtaataat gtgctaggat      1020
ttgctaaaaa agaaaaaaa aaaacccttt tgagtttgcc ctagaataaa tgagacttaa      1080
ttcaaaaaaa aagggaatat gnagnnggaa aaaaaagg g
                                                    1121
  
```

<210> 117
 <211> 1820
 <212> DNA
 <213> Homo sapiens

```

<400> 117
ggcacgaggt caatggcttg gacagacaga cgggctcagt ggcatttgga accctctttg      60
gtgccctccc attctctctg gaattgtttc aagtctgctg gttttcaaac aagaaaagac      120
ctttctggcc atagggagaa tagcaggagg tctatgtttt ggtggttaca ttggaacat      180
cttaagcaag agagggaaaag ttgattttag gcacacatgt accctccttg acagcaggaa      240
ctcagacttc aatcttgggg gtctaagacc agaattttt cttcttgcca gaaaagaatc      300
ttgcacatat actcctgagg catgagtgtg tgggtccatgg caagaaatag ctaaaggctg      360
ctttccagga cccaaagccc catttaatgc aagaaccaga gaagtgttct aggccattag      420
tggaacaatgt catgttttga gaaagataac aacacaaata atgtaacctt tccttaaaag      480
gcagaactca atccatttta tttgatgctt attctaacc taaccttggg tcacctggaa      540
tgaagaactc tatgaataat atttgatttt acaacgtgtt atggttatgt gaaaactaaa      600
catttgcctt ttataaagac tgacaaaata taaatcttta ttctaaccct atccccaaaa      660
ctagccaggc cacaccccag atgttcttat tgactattgg gaagatagaa aaggcgttgt      720
gttttttgtt tttttgttgt tgttgcatt gttgtttttt tcagaagacc agtgtctcag      780
ttctgtctta gtagtaccac acccgtaacc gtgtttttaa agtttgtttt agcctagaga      840
cagatcatat gagttcaaca atgtacagtg tgattgaaaa gacagggttg tgtctatttt      900
tcttttttaa atatctgaat gtgtatttgt aatacgtaaa ggtaaaaaaa aataggtcca      960
aaaatgtgca aggcattctca ttacagctca tgtacgtctg tttttataag atcaatatta      1020
aaacccattg ggattaaata tttttgaata ggatacactc ttgrgaaact cgrgaatgga      1080
ctgagccttc ctacaagcca ctctttggtt ttaaaacagt ggggaaatac gtttacagag      1140
attgtgagct tcagagaatg catgtgatgg tgtgtattac atgctaattc atataagctg      1200
tatctgtcag ctaccacct gtgcttttaa aatgcacaca ctcaacctc tttagcttgg      1260
agctcagctt tttgcttttt tttttttttt tgtagaatta tttagctaac ataagtattc      1320
tgawtgctac ctgatggcca ttcttactta gtttcataga tgtgctttaactatgatcct      1380
ttgaagctca ccccttggag ascctacaga acctcaggct gatagctttg aagactgcca      1440
aacagcccag aaggaagcaa agcatctgca taatcaggag ggttgataa caagtagtga      1500
tttggaatat atgtgggtag ctttaggctg aggcacgggc ctgaggcaaa aatgcccttc      1560
gagtgaatcc gaaggcatg atcttctat gtccttgact aggcattgac agtcatttga      1620
  
```



```

ggtcagatat tatttgagtt gttcagcacc cccaaaggtg ggcatttctcc tgggaaattt 1680
tcattttccat tttatcgcca aacaaaataa aaagcaaaac aaacttttcta agctagaata 1740
atgaaattaa gtcattttcc actttgtata tattgatgct aataaacag atgaaaaara 1800
aaaaaaaaa aaaaactcga 1820

```

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<210> 118
<211> 1573
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1549)..(1550)
<223> n equals a,t,g, or c

```

```

<400> 118
gacaattcct gccctaaag cctaggagat ccctctccct tgctagagag ccacccccaa 60
atcaaaatgt gaaaatccct agaaagcaat agccttcgag gtaccttgca ctgaatttcc 120
caccccagcc cttccacccg atgggaggct gtaacttggg cactgggggtg actttttcca 180
tggccttgct atctccaggg tgggaggcag gcccacttccctcccta tccccactt 240
cccattgttg ttgcccacc cctaattctc agactgaacc cagatggaga tctgagtgcc 300
aaaacaattc ttgatgtaac tttgtacata tcttctacta ccgttggggg ctcttggggg 360
tagagggtgg ggcggctctg tgggccattg ctcccctcca cctctcaaaa gaccttacag 420
tatttcacag tatctctacc cgcacgcgag tattacagta tctagctgga atatccccct 480
acagccccc aggacctat gaggaaggga aggagccagg gagagtgaag taaggctctg 540
gactggggag gtgggatctg aatgaactca ttgcatatc atttgcattc tccgcttggc 600
agccgctttc tacaaactca ttcactggag tctgtgtccc aatcagccgg gtccaggact 660
cctctcacac agacacatct ccggaggctg ggcctcctga aaagtgttg cttgggggtg 720
ctgtgtaaca accctccct attcataatt cttggggacc ccctaccag ccagccaggg 780
tgatctgaaa ggtatacttt gctagctcag tgagctagtt cactcaccat gttggtgagc 840
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acacagatgt ggggtcaggg atgaggatta ttgraaaacc catcatctct ttttttttcc 1020
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ggctccctat gactttctat ttttttttcc tccgtgtggg tcccattgtt ttctgtcctg 1260
tctctatctt agtctttgtc tgtcttcctc ctttccctcaa atgtctcaac tctctctccc 1320
caatttcccc atttaaaaaa aaaaaaaagt gccaaacttc cttggaactg agccgctctg 1380
gggggagagg accttgata gaggggagga aatgggacca tttctctttg aggaggtccc 1440
taagaggcat tgcaaaagtg tgacatgga gctaaattgg gtcccccttc cacagccctc 1500
ccaccctgag tttttcttag aatctttgta aaaaaaaaaa aaaaaaacnn gagggggggg 1560
ccgtaacca att 1573

```

```

<210> 119
<211> 1304
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (41)..(41)
<223> n equals a,t,g, or c

```

```

<400> 119
ggcacgaggt tgggccaaagg gcagaggggg ctgcacctgc nggcctggga agcattgctc 60
agggtggggg gctgggacca tggccgcag aggcactgcc acagctgtga gggccaagat 120

```

gctgtccccc	catccaaaac	ægtgcgcca	ctgcagttag	tgttgagggc	acctctcctc	180
ccctcttaca	cctactcaga	tgaggcagca	gcagacccat	ctcgcggcgg	gggttttgtt	240
ctgttgccgc	ctaactttct	catcctcggt	ctctggaaag	tcaggctgag	aaatcctttc	300
ccaggccagg	ccgctgcggt	acactggatg	gttctgaagc	tggccattg	aagagcctc	360
ttaaggcagc	tgggacagag	gcctggtggc	cctgctgggc	agcccaactg	ctgggggaga	420
cgtttctgcc	accctgggtg	atgagcagct	tttccccctt	ggctttcttg	gggaggagt	480
ggcctcctta	gggagacagg	tgaccctggg	tgccaccctt	gccccgtgtg	tgccccgggt	540
gttctcagtg	gttgctgaag	gcaggtagag	ggtgctgtcc	agtatcccc	atgtgaagg	600
cacttccctt	ctcatggagt	cagctgagca	tcagctcagc	cctgccatgt	ccccactcac	660
cctcctcgcc	tctgtccgg	ccctgggttt	ctagcgggtg	ctgaggcatc	actctggccc	720
attgacagat	gagaggctctg	aagccttctt	ggccacaggc	atcacttct	cctcctcctc	780
atgccctgcc	ttgtccttgt	cgtgttgcca	tggggttctg	agaggctggg	agttcacaga	840
cctcagacac	agctgagttc	gacaaccatt	ggggtggggc	tgcatcagtc	tccggagtgg	900
cccgccacct	cctgaagcag	ggcctggccc	acccaagggtg	cctggggcag	gcgggcaccg	960
tcattcgctg	ccattggctt	ctcagatgta	tttcaaggac	taaagtgggc	tctaagatct	1020
aagatggccc	ggcgcggtgg	ctccgcctg	taatcccagc	actttgggag	gccgaggcgg	1080
gcggatgagt	tgaggctcgg	agtttgagtc	cccgctctta	ctaaaaatac	aaaattagcc	1140
ggacaagggtg	gcgcatgcct	ataatcccag	gtactcagga	gctgaggca	ggagaatcac	1200
ttgaacctgg	gaggcagagg	ttgcagttag	ccaagattgt	gccactgcac	tccagcctga	1260
gcaacaaaag	caaaactcta	tctttaaaaa	aaaaaaaaaa	aaaa		1304

<210> 120
 <211> 1867
 <212> DNA
 <213> Homo sapiens

<400> 120						
ggcagcagct	aaccacacca	tccatctgca	gatagaacat	catcagcaac	attgaaatac	60
cccatgtgct	ctctgcttcc	taatctcagc	gccctcctgt	cctccatgat	gaatgtttct	120
cttgaaattt	actttgttgt	ctttctttca	cttttctgtg	tcgttttacc	attacatgca	180
ttatttctaa	agtcgttctt	ttttttggat	tttgcttgctt	ttcaaatttt	atgaaaatgg	240
cagcaaaatg	tttatattct	tctgccactt	gctttttttc	atttaatat	gttttgaaga	300
tctatgcata	ctgatgcaca	ctgatcatat	tttcagtgtt	gtactaatta	cagtttatga	360
ctattccaca	atttggttcat	ccattttattc	cctcattttt	gtgtatttgg	tttggttgaa	420
gatttctctg	cttttttttt	ctattatcaa	ctgggctgcc	acatatgtct	ttatgcctgt	480
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ccccagtgtc	ctaaatcctt	gccaacactt	agtgtaacca	ggcttcttaa	tttttacc	660
tctggccagt	ggataatagc	attgaaaagt	tattttttatt	gtgatttgg	gtccaatatt	720
ttttctgtaa	gaaatgcatg	tacaatgtta	taagaacatg	caaaaatcaa	aatactttat	780
aaatgttcac	tttataaaaa	atgaatgaga	aaaacataac	gcattttaca	taaagaaaa	840
ctgtaatgct	tttggttattg	gctgggtatt	ttcacacctt	ccaagtgggtg	gctgttgata	900
aattcagcaa	taataccttt	atgtttatta	atattaaatg	ataatgtcga	attaattaaa	960
tgaagttaaa	tttattgata	gttattcatt	atatcctgct	gttctaactc	atcctggaag	1020
agaatagagt	gaaagagaaa	ttgcctttat	atataaatga	ctcatagaat	ttcatatact	1080
gacctaaata	gatttcattg	caaagggtatt	atagaggtaa	taacacagta	actcttagga	1140
ctgttttgag	attttcacaa	tttgaaaaat	ccttttagat	ccttggttga	caaatgccct	1200
ggctgtgcta	attatatgac	atttcctgac	actagtgcg	tggcatggcc	tctcccggtc	1260
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ttaatgtgg	ggaagaattt	tagaaaacct	agaacccac	tttcaccctc	cactgaaaca	1380
aatagaagca	gtgtattagt	cagttttctc	actgttatga	agaaatacct	gagactgggt	1440
aatttatgaa	gaaaagagg	tgaattggct	catggttcca	cagctgtaca	ggaagcatgg	1500
caacatctgc	ctctggagag	gcctcaggaa	acttttactc	atgggtggg	gcaaagtggg	1560
agcaggtgtc	ttatgtgaca	gaagcaggac	caagagagag	acgggggagg	tgctacacac	1620
tttttttaaa	acagagtctc	actctgtccc	tcaggctgga	atgcagtgat	gtgattcgg	1680
ttcgctgcaa	ccttcgcctc	ccaggttcaa	gcattttcca	tgctgtagt	cccagctact	1740
cgtgaggctg	agacaggaga	atcgcttcaa	cccagagggt	ggagtttgtg	gtgagccgag	1800

atcgcgccat tgcactccag cctgagcaat cagaacgaaa ctctgtctca aaaaaaaaaa 1860
 aaaaaaa 1867

<210> 121
 <211> 2168
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (676)..(676)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (735)..(735)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1551)..(1551)
 <223> n equals a,t,g, or c

<400> 121
 ggcacgagcc aggtagcccc atccccacaca ctttccacta gtgcctatat tgggatgaat 60
 cttctggcaa tcttccttaa aacttcaaga gacctcttta agattctgta gttgggtgag 120
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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cagaagttag	gaaatcaatt	ttttaagggtg	agccatttgg	ctttttttaa	aaattgagat	1560
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<210> 124
 <211> 939
 <212> DNA
 <213> Homo sapiens

<400> 124						
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<210> 125
 <211> 746
 <212> DNA
 <213> Homo sapiens

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aacaaaataa	aaaaaaaaaa	aaaaaa				746

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 <211> 1647
 <212> DNA
 <213> Homo sapiens

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 gcagcccatg tagacagctt cggagggcat gggggtgtag ggagttcggg gtagctcctc 540
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 <211> 1533
 <212> DNA
 <213> Homo sapiens

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaa			1533

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 <211> 1778
 <212> DNA
 <213> Homo sapiens

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 <211> 871
 <212> DNA
 <213> Homo sapiens

<400> 129						
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<210> 130
 <211> 1437
 <212> DNA
 <213> Homo sapiens

<400> 130						
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 <211> 1153
 <212> DNA
 <213> Homo sapiens

<400> 131						
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gaaacactcc	ctggagtgtc	ccttgacaga	gaccgagagt	aactactgtg	cacagctggc	1080
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<210> 132
 <211> 990
 <212> DNA
 <213> Homo sapiens

<400> 132						
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cactttaata	taaaaaaaaa	aaaaaaaaaa				990

<210> 133
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 <212> DNA
 <213> Homo sapiens

<400> 133						
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cttccacgcc	tgagcgtgga	gagcacgagt	tagttgtagt	ccggccttgcg	gtggggctga	720

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tgaaaaaaaa	aaaaaaaaaa	aaaaaa				866

<210> 134
 <211> 1280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1137)..(1137)
 <223> n equals a,t,g, or c

<400> 134						60
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tccttaatcc	ccccatccct	ccccatcatg	caaccagtgg	tttaatccat	gtaccaatag	240
gggctagtac	cacagaggcc	tcctgtggg	ccctcgtatc	ataccacctg	ttcctgtgga	300
gagggaatga	ccggcactga	aggtacctta	caactggctc	atattatcag	aggaccttgg	360
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ctgtttcctg	tgtgaaattg					

<210> 135
 <211> 1275
 <212> DNA
 <213> Homo sapiens

<400> 135						60
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aaaaaaaaaa	aaaaa					1275

<210> 136
 <211> 1157
 <212> DNA
 <213> Homo sapiens

<400> 136						
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cctaagaggt	aaatcttctt	tttgtgttta	tgatatagaa	tatgttgact	ttaccccata	480
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<210> 137
 <211> 1885
 <212> DNA
 <213> Homo sapiens

<400> 137						
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<210> 138
 <211> 1031
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1024)..(1024)
 <223> n equals a,t,g, or c

<400> 138						
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<210> 139
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 139						
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ggtacctttc	ctctatggca	ttattttctt	gcattttctc	taaaggggag	gatgcatccc	120

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 <223> n equals a,t,g, or c

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aacgggaagg	aaaatcaaac
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<211> 1419

<212> DNA

<213> Homo sapiens

<400> 141

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<210> 142
<211> 1941
<212> DNA
<213> Homo sapiens

<220>
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<222> (499)..(499)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (558)..(558)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<222> (1938)..(1938)
<223> n equals a,t,g, or c

<400> 142
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<210> 143
 <211> 1236
 <212> DNA
 <213> Homo sapiens

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<210> 144
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<400> 144						
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<210> 145
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 145						
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<210> 146
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 146						
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 <212> DNA
 <213> Homo sapiens

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<210> 148
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 <212> DNA
 <213> Homo sapiens

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<222> (106)..(106)
<223> n equals a,t,g, or c
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<210> 150
<211> 778
<212> DNA
<213> Homo sapiens
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<220>
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 <223> n equals a,t,g, or c

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<210> 152
 <211> 1589
 <212> DNA
 <213> Homo sapiens

<400> 152
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 <211> 1302
 <212> DNA
 <213> Homo sapiens

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<210> 154

<211> 1547

<212> DNA

<213> Homo sapiens

<400> 154
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<210> 155
 <211> 2632
 <212> DNA
 <213> Homo sapiens

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<400> 155
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<210> 156
 <211> 1816
 <212> DNA
 <213> Homo sapiens

<400> 156

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 <211> 575
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 159

<211> 1838

<212> DNA

<213> Homo sapiens

<400> 159

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 <211> 1444
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 162						
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<210> 163
 <211> 1093
 <212> DNA
 <213> Homo sapiens

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aaaaaaaaaa	aaa					1093

<210> 164
 <211> 1058
 <212> DNA
 <213> Homo sapiens

<400> 164

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<210> 165

<211> 665

<212> DNA

<213> Homo sapiens

<400> 165

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<210> 166

<211> 1017

<212> DNA

<213> Homo sapiens

<400> 166

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tgtgggcatc	tccatgcccc	tataaagcgt	gcctgggct	tgtctggggc	tggggaggaa	960
taaaccatgt	atataaaaga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaagg	1017

<210> 167
 <211> 2886
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (391)..(391)
 <223> n equals a,t,g, or c

<400> 167						
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aagatcgacg	tcctctgaac	atcagtttac	ccaatctgca	ctgcgagttg	gttgggcttg	360
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cgctgaacaa	tggggcaggc	tgccgcttcg	aggggcagtt	cagcatcaac	aaggtccccg	480
gcaacttcca	cgtgtccaca	cacagtgcc	cagcccagcc	acagaacca	gacatgacgc	540
atgtcatcca	caagctctcc	tttggggaca	cgctacaggt	ccagaacatc	cacggagctt	600
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tctgaagat	tgtgcccacg	gtttatgagg	acaagagtgg	caagcagcgg	tactcctacc	720
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atcagctggt	cacatgccaa	cacgttccca	gcccctgagg	cagctccagg	gtgccccacc	2160
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tggatggatt	tttttacatt	ctgttcccca	gttacaggaa	ggagtccctt	tgggtgtgtga	2580
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acatagggga	tgtcagtttc	ctatggaaga	gacacctctg	acccgttatt	cttataatca	2760
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aaaaaa						2886

<210> 168
 <211> 1298
 <212> DNA
 <213> Homo sapiens

<400> 168						
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aggataacctg	ggagcggggc	gcggccgggc	tgggcccgcg	cggtgcgggc	tggcgactct	180
gctcctccgc	ttgctgctgt	ctctgggaac	tgggtgccag	cgctgagggg	cttccagcgg	240
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tgaagaagaa	gagaaaaatcc	cctgggggtgg	cagcagcagt	agcgggaagac	ggaggcctca	360
aaaagtgtaa	aatctccagc	tattgcagat	cccaaccccc	tgctagacta	ataagtggag	420
aggaacattt	ttcaagcaag	aagtgcctgg	cttgggtttta	tgaatatgca	ggtcctgatg	480
aagttgtagg	gccagaagga	atggaaaaat	tttgtgaaga	cattgggtgtt	ggaacctgaa	540
aatattatta	tgttagtttt	agcgtggaaa	ttggaggctg	aaacatgggg	attttttacc	600
aaggaagaat	ggttttaaagg	gaatgacttc	attacagtgt	gactgcacag	aaaagttaca	660
aaacaaattt	gactttttgc	gtcaacacgt	tgaatgatat	ttcgtcattt	aagaatatct	720
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aaaaaatcca	acgggtgcat	tttcattcat	atgaaagact	tctcatagta	cttttttttc	1140
ctttttttta	aggaggtttt	tcttgtttaca	tgtgatgggc	attgagccac	acctcttctt	1200
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aagattcaga	tttgtgacaa	aaaaaaaaaa	aaaaaaaaaa			1298

<210> 169
 <211> 989
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (338)..(338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (352)..(352)
 <223> n equals a,t,g, or c

<400> 169						
ggcacgagtg	aaggaggggg	gcattaagca	ccctggggcc	ccacgatggg	cagcaagagt	60

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ttgccgaggg aggaaagccc accggtggag tgggcagagg ggttggtgtg tggacttctg 120
gagcctcagg aggaagggtg cgggttcccc tggctgcaga cgtccctgag gctgccctgc 180
ctcccccagg agagaccttc ctgccctact acacgggccg cgccattgat ggcacgtca 240
tccagaaaag catgggatca gttcagcacg gctgttcgtc atcgggtgcc tgcctggccat 300
tggcaggtag ctggctcaac cccacgccc tgcccgnaa acccgacct gnaaccaggg 360
aaggaaaggg aggggcctgt ttcctaagga agacaagggg ccaggagggc cctggaaatg 420
cccctggtgg gcctgtccct cagctggtca ccctgggaac cggcttccac actgtcttag 480
agcaccctag aaccacaccc tctggtccct gaaaagggtc tcagtcctca gggttccctg 540
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gtcccttttg ccctcacctt gaggggggct cccactggg atgaggggga ccccgacggg 720
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cccctgtggc aagaaacagt cagtcctctt cagggtgtct ctggatttct ggtgatggac 900
agagaaatct ttttacagtt tcaaattatg ttcaacaaat aaaaattgca ttttttattt 960
tgaaaaaaa aaaaaaaaa aaaaaaaaa 989

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<210> 170
<211> 879
<212> DNA
<213> Homo sapiens

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<400> 170
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agaagttaga agagggccag aagaatataa ggctgttgcg gacagagctt cagaaacttg 180
gtgagtctct ccaatcagca gagagagctt gttgccacag cactggggca ggaaaacttc 240
gtcaagcctt gaccacttgt gatgacatct taatcaaaca ggaccagact ctggctgaac 300
tgcagaacaa catggtgcta gtgaaactgg accttcggaa gaaggcagca tgtattgctg 360
agcagtatca tactgtgttg aaactccaag gccaggtttc tgccaaaaaag cgccttggtg 420
ccaaccagga aatcagcaa ccaaaccaac aaaccagg gaagaaacca ttccttcgaa 480
atttacttcc ccgaacacca acctgccaaa gtcacacaga ctgcagccct tatgcccgga 540
tcctacgtc acggcggttc cctttactca aatctgggcc ttttgcaaaa aagtactaag 600
gctgtgggga aagagaagag cagtcatggc cctgaggtgg gtcagctact ctctgaaga 660
aataggtctc ttttatgctt taccatata caggaattat atccaggatg caatactcag 720
acactagctt ttttctcact tttgtattat aaccacctat gtaatctcat gttgttgttt 780
ttttttattt acttatatga tttctatgca caaaaaaca gttatattaa agatattatt 840
gttcacaaaa aaaaaaaata aaaaaaaa aaaaaaaaa 879

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<210> 171
<211> 1919
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1903)..(1903)
<223> n equals a,t,g, or c

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<400> 171
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agccaagaat aaaggcaata aatattttta agcaggaaaa tatgaacaag ctattcagtg 180
ctatactgag gctattagct tgtgccctac agagaagaat gttgaccttt ctacatttta 240
tcaaaacaga gctgtgcct tgaacagtt gcaaaaatgg aaagaagtgg cacaagactg 300
tacaaaagct gttgaactta atcccaaata tgtgaaagct ctcttttagac gtgcaaaagc 360
ccatgagaag ctagacaata agaagggaatg tttagaagat gtcactgctg tgtgtatatt 420

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agaagggttc	caaaatcaac	aaagcatgct	gtagccgat	aaagttctta	aatcccttgg	480
aaaagagaaa	gccaaagaaa	aatataagaa	tcgtgaacct	ctgatgccat	ctccacagtt	540
tatcaaactt	tacttcagtt	ctttcacgga	tgatatcatt	tcccagccca	tgcttaaagg	600
agagaaatct	gatgaagata	aagacaagga	aggggaggct	ttagaagtga	aagaaaattc	660
tgatactta	aaggccaac	agtatatgga	agaagaaaac	tacgataaaa	tcataagtga	720
atgctcaaaa	gaaatagatg	ctgaaggcaa	atacatggca	gaagcattgc	tactacgagc	780
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agttgaagaa	gcagtggcag	attttgatga	atgtattagg	ttaagacctg	agtctgctct	1080
ggcacaagca	cagaaatggt	ttgcattgta	ccgccaggca	tatacgggaa	acaactcttc	1140
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cgaaggctat	gcactatacg	cccaggcatt	aacagatcaa	caacagtttg	gtaaagctga	1260
tgaatgtat	gataaatgta	ttgattttgga	accagataat	gtacaacat	atgttcataa	1320
aggtttactt	caacttcagt	ggaagcaaga	tctggataga	ggtttggaac	ttatcagcaa	1380
ggctattgaa	attgacaata	aatgtgattt	tgcttatgaa	accatgggaa	ctattgaagt	1440
acaaagagga	aacatggaga	aagccattga	catgttcaac	aaagctatta	acctggccaa	1500
atcggaatg	gagatggccc	atctgtattc	actttgcatg	gccgcccatg	cccagacaga	1560
agttgcaaag	aaatayggat	taaaaccacc	aacattataa	aacaggggga	aagcagactg	1620
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catgtctagg	tggtgtgggt	gtggctgttg	aagggaagtt	gcagtcttgc	agcttttatt	1800
ccctgtgcaa	caaaagatta	gaacatgtta	aagggaattt	taaataaagt	tgcaaagagt	1860
acaaatgata	attggccatg	caaataaaaa	aaaaaaaaaa	aanaaaaaag	ggcggccgc	1919

<210> 172
 <211> 1181
 <212> DNA
 <213> Homo sapiens

<400> 172						
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gtgctcacc	tctgaaaatg	tcttcccttg	tctttgctc	cagctgggtg	ccacaaactc	180
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ataaattgct	caaatttata	cattatgtaa	gctgttaata	aaatttcttg	taggtgctac	420
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actttatact	tcagtaatgc	tcattgtatt	ttgcaaaatt	tatattgttc	ttttatttga	600
aaatataagg	cttttttttag	ctcctgaaaag	ctatattata	gtcatatagt	tttattatag	660
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gaaccagtg	ggcgagctt	gcagtggacc	gagatggcac	cactgcacta	tagcctgggc	1140
gacaggggtga	gactctgtct	caaaaaaaaa	aaaaaaaaaa	a		1181

<210> 173
 <211> 1801
 <212> DNA
 <213> Homo sapiens

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<400> 173
acgcgtccgc gccctttttt tttttttttt ttttttcaga cagcatctca ctaagccgcc      60
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tgatccctccc acctcagcct cccægtagc tgggattaca ggcatgcacc actatgttcg      180
gctactttta aaaatttttt tgtcgagacg acatctcatt atattgcccc agctgggtctc      240
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tggaaccacca tgcccagccc cacagccaaa cttcttgaaa gaatgggtcta tattaactat      360
ctttactttt tgaccttcta ttacctcctc aaccactccc accagaccac cacatatggg      420
acttcccagg gctccagcct ggggtgccctc ttcttttaaa actcagtact aatgaaaaat      480
aaattcaaca tataggagct gcctttttcct gactcctccc tccttttgct catcttcagc      540
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aggagaggct aagaacagga ttgggggacc aagagtatag caggggagat gggccctatc      660
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gaaagtcttg agagcacaga agaggaaga agggggagat gaaaggaaatgtgctgaaag      780
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gaggaggtag gtaactcttt gtattcacag catcaaaaag tttttccaca aatatctgtg      1560
tctctttctg aagaaataca tccagctgat caatacata tgcctttaac tctttttcac      1620
ttttgtcttt ctttaccaaa gccagaacat attttgctag ggcggtatgga tctgcatcac      1680
agatgggctc gagagtcttg ctgagccagg acttgagtg ctcgaagttt tcaatgatca      1740
ttttagaaac catccacagc ggccctaagg ccgctcacac tcctccgcc gccaggtcg      1800
c                                                                                      1801

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<210> 174
<211> 2007
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1991)..(1992)
<223> n equals a,t,g, or c

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<400> 174
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cccccgccca gatgcctcgt cgtctgggac cccatgcttg cccaggtcc cttgggccac      180
atactaatacc ccctctggag accttgaggg aggtaaagatt ggaattagc aatacctgaa      240
atgtgttaat tctctagggtc atgtttgact ctactccagt cctcgtcgcc ctcttctctc      300
acctcagact tggtgcaagc tattccctct gcctacaaca ctcttcttct ccatgtttac      360
ccamctcata accactgac ctttaggcct cagcttttct caacccccat gcagccattc      420
aacagaatct ggsctgtggm aggtctctct ctaggtaacg aagtgsattc cttgcagcmt      480
ttagggaccc agggatatcaa gggctccgca attaatcttg acacwtgggt tccaagatcg      540
ccctgaccct gaatrctcca aggccagaca ggagaagagc gaaattggag ggctgtgtga      600
gaggcathtt ggattgggac tggaggtagg gaacatccct ttagccttca ttccactgc      660
tggatagctt tcacatggcc atgcctaatt gccagggagg cttatgacca tggtcagaaa      720

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gtcagctgtg	tttccagggg	gacaaaggaa	caggtttgtg	aatcatcatg	gtctgaagtt	780
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ccacaaggga	gaaaatgcaa	agtttcatgc	agtcactgca	cagagtcttc	cagtgatgtg	900
catttctgga	catcaagcct	gaaagcggta	catcatagtt	tgtcaatgta	aaaactaaaa	960
taaaaccgta	acaattcccc	accacacacc	aaaaaatacc	taacatcagg	ttaatgttac	1020
ctccctycct	gagtagagaa	acaggatacg	cacaaggaaa	actgccatta	gaagggaag	1080
gtttggaggc	ccatggcaag	ttcctgggtc	acaagcaatt	atwaaactct	tctgggcagg	1140
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atgacagtta	aaggagtttg	gggtccctagc	atgagctgat	tggtttcttg	gcaatgcaag	1260
tttctcagaa	atgtaatagg	ttctgatgac	ttgtttctag	ttattttccat	gtatccatag	1320
ccatgtccag	agtttcttgt	tgtacataat	tccttaactt	gatgaattat	gctttctagt	1380
tcatagactt	ctctctctct	aatgatagag	tttatgcaaa	accatcagac	acagggtgga	1440
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ctggccactt	aaaggatttt	tcatacttat	tttctattat	tgagctttag	gtacaatcag	1560
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aagcacaact	aacaggccag	gcacagtgtc	cacgcctata	atcccagcac	tttgggaggc	1740
caaggcaggt	gaatcacttg	aggccaggag	ttcaagacca	gtctggacaa	catggtgaaa	1800
ccccatctct	agtaaaaaata	caaaaattag	ctgggcgtgg	tggtgcacac	ctgtaatcct	1860
agctacttgg	gaggctgagg	cacaagcatt	acctgaacct	ggaggcaga	ggttgagtg	1920
agccagagatt	gcaccactgc	attccagccc	gggagacaga	gcaagaccct	gtctctgaag	1980
gaaaaaaaaa	nnaaaaaggg	cggccgc				2007

<210> 175
 <211> 1049
 <212> DNA
 <213> Homo sapiens

<400> 175						
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aaagaagcag	aacaatagag	aatgtaagag	ccaagtcaca	atgaatgcta	ttattattaa	120
gtaaaatcaa	gataaggggg	aggaaggaca	aatctcctct	acagaagaat	gccaaataat	180
ttatggagat	atgcgaagac	gtttcagaac	ctaattgtccc	ttctctaag	tgtggcctgt	240
gtttactgac	tttcttccac	agagtatggt	atggaaggag	gaggaaaagt	gacttcacag	300
tggcgaaagc	tgatgaacat	tagcttggcc	aagtattgga	gatcaacatc	aacagttata	360
agtcataattg	atagtatgtg	ccctgatagg	atgtgatgag	aagggtactt	cccctctgtg	420
gtcctcctcc	tcaaaacctg	taacccccagt	ctaaatagca	gaaagacatt	gcacaaaccc	480
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agcaaggaca	gtctgagaaa	cgtcacatcc	agaggaacct	aagaatgagg	actcaatgta	600
aaagggrtcc	tggaacagaa	aaaagacatt	gggaamaact	aatgaaatct	gccccaaagt	660
tagagtttag	tttagttaat	aacaattttt	aaagagggtat	taaaaaaaaa	aaaaaaggca	720
ggtgaaggcc	ggtgtggtgg	ctcacgccta	taatcccagc	actttgggag	gccaaagggtg	780
gaggatcatt	tgagctcaga	agtttgagac	cagcctgggc	aacatggtga	gaccccatct	840
ctacaaatac	taaaaaatta	gccgggtgtg	ctggcatgta	cctgtgttcc	tagctactcg	900
ggagcccagg	tggtcaaggc	tacagtgagc	catgatcaca	ccactgcact	ctaggctggg	960
tgtcagagca	agaccctgtc	tcaaaaaaga	aaaaaaaaaa	aaaaaaactc	gagggggggc	1020
ccgttaccca	attcgcctta	ggaaatgga				1049

<210> 176
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<400> 176						
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atatttctgg	ctttagaagt	acaggagggc	gcagatggct	aactgagtaa	cattcatgaa	120
atgaggcttt	ctgtggcgcc	gtagtgtttg	gaattagaag	gtaattcagt	agagtgtaac	180

ttagagaata	ttgcaagtga	cacattgaat	cctgcccgtc	agggaccttt	tcctcagagc	240
aatccggcca	cacgaataga	aggctgtcgt	gaatcacatc	agatgtaaaa	tcatttccttc	300
tgtttactct	tttaattttc	atccttttgca	ggtagtgcga	attcaacttc	aaatatggtg	360
taggttttgc	tagattccat	atTTTTTtct	tggatttttg	ctaattatTT	ttagcaaaaa	420
atTTTTgtc	agtggcacc	tccctagtgt	ccatgggtta	gggccatgct	ggggaaaacg	480
ggccggtatt	tacacacgcg	caaaacaccc	agagacggca	caaggagggt	gaactcatgt	540
ttcagttcgc	gaacattgac	tccttacgaa	agtcacttca	ttctaactag	atgcgcccac	600
ttccggtcat	tatttcgttt	gcatgatgta	ttgcttcttc	acgttttggt	tttattgagc	660
acggagtaga	attccagggc	tgccttgact	tcttcctg	atgctccctc	ccagtgactt	720
tccttccctt	tcacatgagg	atctgccgtt	catgttgctt	tctcctttgt	cctcttggac	780
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agaaacaagt	gtgacctggg	atTTTattta	acacaactgt	tgccaaagag	ttggtttgt	960
ttatttggtt	ttggcgggga	gaggagtgg	atTTgatgct	ttctgtggac	aatgtaaccc	1020
taaacacatc	atgtattttt	aatgccacct	acataaataa	aacataagca	tattgaatac	1080
aaaaaaaaaa	aaaaaaaa					1098

<210> 177
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 177						
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tgtgcttgta	tatcgattag	ctgtgtcact	tttaaataag	aagtccacac	aagcaagcca	120
aatTTTTtaga	tgacgaagtc	cataaataac	tagagaattt	ttgttatctg	ttgttagtt	180
gaaatgtata	atcattttatc	actaaattgc	acattgcctt	tattttattg	tgctctgttt	240
ttggtttaca	gtgtaataat	acctcattta	aaaaataaaa	accactactg	ttacatttta	300
ttaatTTtaa	aagctagaaa	attcatgtag	ttactTTTT	tacatatata	atctgttaat	360
gaattattga	TTTTTgtatc	tgccacagta	aattaaagca	ttacacagta	tttatcagta	420
TTTTTTaaac	atcctgtcct	TTTTTaaaat	ctttgcttag	tcagtcatat	TTTTgtctgt	480
atgattagaa	gttttttacgt	ccttcccttt	ttgtacaaat	ctgtattgta	ttaatTTctg	540
gatgcaattt	ttcaaataat	aaaattatac	agtcagtcag	gcttcagtttatttttgaa		600
cacttgggca	attaattaaa	gccatatgtt	taaaataaaa	aaaaaaaaaa	aa	652

<210> 178
 <211> 1815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1115)..(1115)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1119)..(1119)
 <223> n equals a,t,g, or c

<400> 178						
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tctgaatctg	tcctactcta	aatactaccg	gagtcctttt	gtaggttggc	cagtatatgt	120
tttttagtgaa	atattatttc	acaaagaact	atatcacgtac	ctttcctct	gactgtttcc	180
tggcatatat	gcatgaatat	ggccattatt	gaactatcac	ttcagtaaa	aagttaaaca	240
gtacttttct	gaggttttct	agctacctct	gggtcattct	gtaatgtaaa	tgttgttaat	300
aagaatgggt	tttacataaa	ttatgcaaag	gttaacaagc	agtaacactg	cactcctcaa	360

aaagtggcgg	tatgtaatga	aaggcccttt	tgatatacctt	gatttttcat	tgtgtatctg	420
kttgggcacg	gtctatgtaa	cactagttct	gcgtattagt	attttagagt	atctctgcct	480
cccttgccct	gttgtttctt	ttgccccctt	ggaacacatt	ggtcagcagt	tctaagagac	540
actgcccaca	tgatggccat	tccctacttc	atcctgtctg	agctaaaattt	tatatatttg	600
tgcatacctt	tcccagatga	cttaggtggt	aagtccagat	tagtcaaagc	taatcatgga	660
agttccattt	taatgattct	gttgggggtga	acttgggagc	aatgagatgt	ttgggaagta	720
ttgtgtagta	cttctgggaa	agatctcctt	gataacaacat	tgatcatgaca	tgagaagaga	780
ctctgctggg	ctttttcatg	tctgtaacat	ggtattggct	tatcgttttt	atctctgaag	840
ggcagtagcc	tgaagataac	agtgcacaag	gtgggaaaag	ccagctcaga	ggtgacgttg	900
ccgagctact	ctgctctcta	tacctgttct	ctactgggac	tttttataac	cctcaataac	960
tgttttttat	ttggctcttag	ggctgtctga	tacttagagc	tgaaggcatt	ccagctgaca	1020
cagaggaata	tttttctaag	tgttaatggt	ctatatggta	attaggggga	agaattattt	1080
cttttcacaa	gttaatatag	ggatggctgt	ttgtntcanc	catggttctt	tctggtggaa	1140
aacagaattc	tccaactaaa	aatattttaa	tggcagactg	attacagtgg	tgtgggccag	1200
aaacaaggga	cagtgaacaa	cccagagact	tgtatcagca	ggaagccatt	gccattctga	1260
gccttgaagg	gcaaggaggg	aaacagtgtt	accagagccc	agtaagaact	gctgtcatga	1320
aggagggggc	accttgtaag	agacatcatt	actaccagaa	ctgtggtgcc	aaattgctgg	1380
tgtctctctt	tggagaaaacc	aaacagatac	atctgctgga	gagcccaggt	gggcacagag	1440
aagggtggag	agagaatctg	ggaagagaaa	tggagaataa	gcagcacagt	gttattcatt	1500
tctgtaaatt	cctatgtaga	aggctcagtg	ttagaaataa	agttattcta	ctagttgcaa	1560
gttaagtgtt	tctgtttgtt	ctgctttcct	gttagcataa	gtaaactccc	tttgaacta	1620
cacaggtatg	tctctccttc	aacatgtgtg	aagcagacat	tatattaaat	tacattattc	1680
atacctccct	gtggtgtttc	ttattgtatg	tgggtgaagg	taagcagctc	tgtattcttc	1740
caaataaata	gccagttgtc	cctgmaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1800
aaaaaaaggg	cggcc					1815

<210> 179

<211> 1488

<212> DNA

<213> Homo sapiens

<400> 179

cgccaagttt	ccggaggggag	agggtagaaa	ctggaggggg	tggacctgtc	actcacggga	60
ctgagggtcc	ttttctcccc	ctcccaggag	gaacgagaat	gaatatgact	cagccccggg	120
ttctggtgag	tgcatgtgtg	gggttggtgg	ctgtcctgct	ctacgcctcc	atccacaaga	180
ttgaggaggg	ccatctggct	gtgtactaca	ggggaggagc	tttactaact	agccccagtg	240
gaccaggcta	tcatatcatg	ttgcctttca	ttactacgtt	cagatctgtg	cagacaaacac	300
tacaaactga	tgaagttaaa	aatgtgcctt	gtggaacaag	tgggtggggtc	atgatctata	360
ttgaccgaat	agaagtgggt	aatatgtttg	ctccttatgc	agtgtttgat	atcgtgagga	420
actatactgc	agattatgac	aagaccttaa	tcttcaataa	aatccaccat	gagctgaacc	480
agttctgcag	tgcccacaca	cttcagggaag	tttacattga	attgtttgt	caaatagatg	540
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aggctgtgcg	tgttacaaaa	cccaaaatcc	cagaagccat	aagaagaaat	tttgagttaa	660
tggaggctga	gaagacaaaa	ctccttatag	ctgcacagaa	acaaaagggt	gtggaaaaag	720
aagctgagac	agagaggaaa	aaggcagtta	tagaagcaga	gaagattgca	caagtggcaa	780
aaattcggtt	tcagcagaaa	gtgatggaaa	aagaaactga	aaagcgcatt	tctgaaatcg	840
aagatgctgc	attcctggcc	cgagagaaaag	cgaaagcaga	tgctgaatat	tatgctgcac	900
acaaatatgc	cacctcaaac	aagcacaagt	tgaccccgga	aattctggag	ctcaaaaagt	960
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cctctaagga	ggctcttgaa	ccctctggag	agaacgtcat	ccaaaacaaa	gagagcacag	1140
gttgatgcaa	gaggtggaaa	tgttctccat	atcaagatgt	ggcccaaggg	gttaagtggg	1200
aacaatcatt	atacggactc	ttcagattta	cagagaactt	acatttcac	tgttccacct	1260
ctcctgcgat	agtcctgggt	gtccactga	ttggaggata	gagccagctg	tctgacacac	1320
aaatggtctt	ttcagccaca	gtcttatcaa	gtatccata	tgtattcctt	tctaaactgc	1380
tactcatgaa	tgaggaaaag	ctgatgctaa	gatactgcct	gcactggaat	gttaaactact	1440
aaatatataa	caagctgtgt	tttccctaagc	tgaaaaaaaaa	aaaaaaaaa		1488

<210> 180
 <211> 721
 <212> DNA
 <213> Homo sapiens

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<400> 180
cggccgtgtc acagctggga atgatgaggt ggrggctgct gctcaggctg caggcatcca.   60
tgatgccatt atggcttttc ctgaagggtta caggacacag gtgggcgagc ggggactgaa   120
gctgagcggc ggggagaagc agcgcgtcgc cattgccgc accatcctca aggctccggg   180
catcattctg ctggatgagg caacgtcagc gctggaaca tctaatagaga gggccatcca   240
ggcttctctg gccaaagtct gtgccaaccg caccaccatc gtagtggcac acaggctctc   300
aactgtggtc aatgctgacc agatcctcgt catcaaggat ggctgcatcg tggagagggg   360
acgacacgag gctctgttgt cccgagggtg ggtgtatgct gacatgtggc agctgcagca   420
gggacaggaa gaaacctctg aagacactaa gcctcagacc atggaacggg gacaaaagtt   480
tggccaattc cctctcaaaag actaaccag aagggaataa gatgtgtctc ctttccttgg   540
cttatttcat cctggtcttg gggatatgtg ctagctatgg taagggaag ggacctttcc   600
gaaaaacatc ttttggggaa ataaaaatgt gactgtgmr aaaaaaaaaa aaaaaaaaaa   660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   720
a                                                    721
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<210> 181
 <211> 1842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1134)..(1134)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1210)..(1210)
 <223> n equals a,t,g, or c

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<400> 181
aattcggcag agtttgggtc tcagctgcc a cctcccttcc ttggatgctg tcccaaccac   60
cccattccaa aagagggttat gcttgtgat tctctatcac tgggccaaat ctgcctgttg   120
cctagtgtct ctagcccttt ctatattaat tcatttcatt atttcagccc tgtctcctcc   180
actaggatat aagctgcacg agagatgggc tatgtctctt actcactgtt gggcctccca   240
ggacctcagc acagggcctg acacacagta rgtgggttaa tagatactga tgaatgaaa   300
gaacaagggt ggtactaaaa tccccctttt aaagaggagg cttggagtta tgaggttgta   360
cgagcaaagc ttattcccta actaccacag tccccccctt gcagccaggg ccgggatcat   420
accacaattc cctgcccatac aagctgtcat gaatagccct aagatatcag gaagcacaaa   480
gatatcaatg ccaggaggga taggaggagg cggccaagaa accccggaat tgtacttaaa   540
awtctggcta cgcaaactgc ttgcccact ttagacacca tgatgaatga tcagggtgctg   600
caaccatgaa acatgacgta attagtgtg cactcttggc tgggggttgg cttggaggcc   660
ccacctcgag gttagcctcc ccagagggt cactgcacga rgcagttgg tgcggggtgg   720
gggttacaac agagggagggt ggaatcagac cactcggcag ccctgtgacc attatgtgca   780
cttttataca aaggatacaa aagacaccaa tactggggaa tttatttaag aatacttcta   840
ggatgtgtcc tgtgatgcct caggtctatg tcccacattt tcttaaatct atagtctgtg   900
gtaataagar agartatttg aaagattagt caattaattg gtctaacaaa aagaattcta   960
tttctgcagc ccaggagtg gaagaaagag ccagaactct gtggtgcagg gcttttagact   1020
tgcttcaggt cttctttccc ctgggtcttc tggatcttgc tgccctggcc atgaaaggga   1080
aaggataaag gaagtttgtt cccttaagac cttgtgctgc ctgtgctat ctgnttctgg   1140
ccaacctgaa tttgagaacg cttcttcagt ttgcatctgt gtgaccttgg gcaagatagg   1200
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aactgtctgn	atctgtctct	tcagctaccc	accttgtaaa	gcagttgggc	accatagagt	1260
agctgctgkc	acagtggggt	attctcttac	catcaatatg	gctggcatag	tcattctact	1320
tctcctttac	ttggggccct	gcctaggcca	ctcagcctcc	ccagagcagg	ccccctctca	1380
gtcccaaggc	ctcctaggcc	taggtgtctg	ccctagctgg	agaaaggcac	aagaagaaaa	1440
caccagtcaa	tgggagaaaa	gtccccagg	ccagtcttcc	acctagagcc	cctccccctt	1500
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caytttggga	ggccaagaca	ggcgatcact	tgagggtcagg	agttcaagac	catcctgacc	1620
aacatggcaa	aaccccgctt	tcattaaaaa	tgcaaaaatt	agccaggcat	gatggtacac	1680
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gaggttgacg	tgagtcgaga	ttgcgccact	gcactccagc	ctgggtgaca	gaatgagact	1800
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<210> 182
 <211> 1427
 <212> DNA
 <213> Homo sapiens

<400> 182						
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actatgtgaa	tatgactaaa	gaaatgaaaa	tgaaaacagt	atcttgtgct	ctgtaacgat	180
tggtattaaa	tatatcatag	aaatgagaag	agtaggctca	ggagctgaac	tgccatagtc	240
aaaaggccaa	atttactact	ttttgttccg	tgattgaatt	tggtgtgctc	ctgtttcctt	300
agttgtaaaa	cagagataac	aataggacgt	gcccataagc	ttttcatgag	gattaaatga	360
gttaatgtgt	ttgggtggga	ccagggtggac	atgggtactgg	tagggcccta	tttgacattg	420
gctttaagta	tcattggctt	taagtgcac	agtagatata	tgatgacaat	aattgtatta	480
tcattggtgat	atggatttct	tataaatact	tgtattatgt	tagtcacttc	tagaaaagaa	540
tacatctata	cagtagaata	taattcaaaa	aataatgtca	tatttttgta	aagaaatttt	600
ttgtaaaact	tttcagtctt	caaagagttt	catagacttt	attccattta	tattgagagc	660
ctactttgtg	ttaagcattt	tgctgaacat	tgctctcact	cttatgttac	ttaccatcta	720
ttgggaagag	aaagaagtaa	acaaataatt	acatgtagag	tagtagtgtc	aatggtagag	780
gcatgaacac	aacacagatt	taacactaga	gaaagagtga	tcacaaaaga	aatgatgttt	840
cagttgagtt	ttaaatggca	gctggagtcc	atctgaatga	ttaggtgtct	aggacaggtt	900
taaaggttag	ggagtaagga	agataatatt	caaaataaaa	agaacctgag	gatattcaca	960
gaggacattt	gcagaggcct	gaaatagcat	tggtacattc	ctagaacccat	aaatagtttg	1020
atggtaatgt	aaattacagt	atgttttgaa	aatcatgga	agatttatac	cacgagaa	1080
acttcaactt	tattctaaag	ttgatgagca	tttgacagat	tttaagcaag	aaacaaatat	1140
taaatttata	ttttagaaa	attctagata	cataaaaagc	acttattata	atccagtatc	1200
cattcatgat	aactctcagc	taactggaaa	taaaagggaa	cttccttagt	ctaaggaaga	1260
acatctacat	aaattctaca	accagccaca	tacttaattg	tgaaataatg	aatgttttcc	1320
tcctaagatc	aggaaaaaga	aaaagatgtc	tcctcttact	tctattcagg	atgggtactgg	1380
tagttcaggc	cagtacagct	atgcaaaaaa	aaaaaaaaaa	aactcga		1427

<210> 183
 <211> 1768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1743)..(1744)
 <223> n equals a,t,g, or c

<400> 183						
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gttaggtatc	aattttgacc	acatctggca	aaaaacacta	acagtattac	atccgttaaa	120
agtagcagat	ggcagcatca	tgaatgaaac	tgatttggca	ggtccaatgg	ttttttgcct	180

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<210> 184

<211> 840

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (805)..(805)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (836)..(836)

<223> n equals a,t,g, or c

<400> 184

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 <212> DNA
 <213> Homo sapiens

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cttcttgtat	ttctaataag	atgactttcc	agaaagtga	atttgttatg	ttctggcttt	900
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aaa						903

<210> 186
 <211> 976
 <212> DNA
 <213> Homo sapiens

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agttcagtg	agacattttg	aaaagattgt	ttcgtgtgct	ttacgatagc	ttagtgcaat	420
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tgctaaaact	tttgcttttc	tttgacttgt	aaaagggtgca	catttttcatt	ttcttcctta	960
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aaaaaaaaaa	aaaaaa					

<210> 187
 <211> 622
 <212> DNA

<213> Homo sapiens

<400> 187

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ttcctctctt	cttctgttct	tcacgcccc	tgcccctgct	agcgtattac	tgttctgtga	360
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cagggatgtg	gcagctgcag	tggtcttggc	tttgtgagga	actgagtgtg	tccacgttgg	540
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ccaaaaaaaa	aaaaaaaaaa	aa				622

<210> 188

<211> 1063

<212> DNA

<213> Homo sapiens

<400> 188

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gtttccttta	tacattacct	agtcttggat	atgtcttcat	tagcagcgtg	agaacagact	1020
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<210> 189

<211> 804

<212> DNA

<213> Homo sapiens

<400> 189

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 <211> 2450
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <211> 2062
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<211> 788
<212> DNA
<213> Homo sapiens

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<210> 195
<211> 1146
<212> DNA
<213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (489)..(489)
 <223> n equals a,t,g, or c

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 <211> 2967
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 640
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<211> 443
<212> DNA
<213> Homo sapiens

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aaaaaaaaaa aaaaaaaaaa aaa 443

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<211> 1190
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <212> DNA
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<400> 207

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<400> 208

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<211> 3839

<212> DNA

<213> Homo sapiens

<400> 215

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <222> (1790)..(1790)

<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (1862)..(1862)

<223> n equals a,t,g, or c

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<222> (1904)..(1904)

<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<221> misc_feature

<222> (1985)..(1985)

<223> n equals a,t,g, or c

<400> 216

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<210> 217

<211> 1351

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> (1009)..(1009)

<223> n equals a,t,g, or c

<400> 217

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<210> 218

<211> 2288

<212> DNA

<213> Homo sapiens

<400> 218

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 <211> 2710
 <212> DNA
 <213> Homo sapiens

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aaaaaaaaaa

2710

<210> 221
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (477)..(477)
<223> n equals a,t,g, or c

<400> 221
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acctatgctg agggttggat cttgttgta tccctgtttt ttaatggaaa atctgaggcc 300
tgaagatggt aggccatgta tatgcctgcc ccgccgttga gcctggctcc tgctgttggg 360
gaaactttcc cagtctgtag agagaggatg tggcctctgg aagcctggt cctgcctgat 420
tctgtatctt ctggtaacac acagccgtca tttaaaaaaa aaaagacaag gtcttttccc 480
tcggacaga 489

<210> 222
<211> 2073
<212> DNA
<213> Homo sapiens

<400> 222
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aaagaatgga ccaaataatta cttacgttgt gaagatgaca aatatgtgtg taaaatccag 300
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acaaagtttc	gtttagggat	aaattgtaaa	aaagaatata	ggcctgggtg	gtggctcatg	1980
cttttaattc	ccatactcag	cttgagtacc	ggaaccaaga	ctagtcgagg	caacatagtg	2040
aacctcattt	ctttaaaaaa	aaaaaaaaaa	aaa			2073

<210> 223
 <211> 1442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (126)..(126)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n equals a,t,g, or c

<400> 223						
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ctgctncaca	gtctcctgcg	cgcgcattca	acagaggtgg	tctgtaccac	ctgggtggcat	180
cagctaggct	ttggtgccct	ccttccaact	ccctgaaccc	cctccaactgt	tggggagac	240
aggaccaggg	ctgttacctt	ccttgtgggt	gagcttctcc	ccccagact	cgtgagtttt	300
gaccgcaggt	cggacgccat	gacgtaacct	ttcttctcct	tgtccaccat	caacatggct	360
agaagaattt	ctttcttttg	gtcttcttgt	tttatttgca	tgtgcataat	ggtcagaaaa	420
gtggagagaa	tccagctctc	catttccgtc	taggaaaccc	gcaaacacag	cagagtgagc	480
agagggaaaa	agactcctag	gaagccagct	ggcctcctgc	tggacctgca	cagccggttc	540
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ccctcccacc	gagttccac	gacaggcccc	tacttgact	ggacatctt	catttcagca	660
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tgagtgtcca	gcccccaatg	caaacagcaa	ccccaggctc	tgaactact	ttttttctta	1380
gaaaaagcaa	aacaaaacat	aaaacttggt	tctgattatg	aaaaaaaaaa	aaaaaaaaaa	1440
aa						1442

<210> 224
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 224						
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gtgcagaatc	ttggaattgt	ctgaacacag	tagaacgata	caatcctgaa	aataataacct	120
ggactttaat	tgcacccatg	aatgtggcta	ggcgaggagc	tggagtggct	gttcttaatg	180
gaaaactggt	tgtatgtggt	ggctttgatg	gttctcatgc	catcagttgt	gtggaaatgt	240
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tttggaagg	aatgcaaaga	tgaaggtctg	ttttgtgtac	ttttaagact	ttgggtattt	660
tacttttttg	aaaagaataa	accaagaatt	gattgggcac	atcaaaaaaa	aaaaaaaaaa	720
aaaaaaaa						728

<210> 225
 <211> 1156
 <212> DNA
 <213> Homo sapiens

<400> 225						
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gatccacccg	cctcagcctc	ccaaagtgtc	gggattacag	gcgagagcca	ccgcgcctgg	1140
cccaaaatcg	gcacga					1156

<210> 226
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 226						
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tgcagacgcc	tggcctttgc	cctgggggtt	ccccctgtct	gaggaatctg	tggctgctca	180
gctttaagg	tgcaggagg	tggccacatt	cctcaggccc	cagccctggc	ctcaggcatg	240
aggcaacaag	gaaagcaggt	ttaccttcag	ggcaatcctt	gggaaaagaa	taatttttag	300
gacaactaga	aggctccatg	gtctctcaaa	tatctctcct	aaggcctgga	tgctgcctaa	360
aactcatttc	agggtagcca	caccactcat	cctgctagga	cagtaagaaa	gctcaaatac	420
gccaataccc	aggaaagggt	acacagaatg	tgagtatagt	tcaggcaaac	agcataaaat	480
gatatgagat	cttaagagct	gtgacactag	agacttttct	cttttttaaa	atttttttat	540
ttccataggt	ttttggggaa	caggtgggtg	ttgtgggtgt	tggttacatg	agtaggttct	600
ttagtggtag	tttgtgagac	tgtggtgcgc	ccatca			636

<210> 227
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (607)..(607)
 <223> n equals a,t,g, or c

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<400> 227
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cccaagaagg cagggccctg atgcagggaa acagtcagag atggagagac aggaaagaca      180
tggaccgggg taagcgccac tgcctgccc aagtgtgagt cctgctgcct tggtttacct      240
atctggattg tgggcaagtc aaagagagct tgggtgctgc ccaccccacc tgactcctcc      300
aggytcaagc ccaggccaca tgaggcctgt cccaccggtt ctcccatggc acagaccgca      360
ccccaccat cccacaaagt ctgaatgaga tgcgctctct cttctttcta ccgtgacgtg      420
gctgttcctt cccctgcacc tgtgtctcgg gtaacccac gtctctctca cgggccagac      480
tgggtgtcac caacctggag tggcccccac aaaccccagg ctgggtcagg gacctccatg      540
gagctcccg c akccctcaa gtgccccaaa cagggtctgt tttgctggca gtgtgagact      600
gaakgangtc gccctttgca aggcgaagaa tccctcctt ggagatggca ggccaggggc      660
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atggacccac cgtggggctg gggagggcgc tggcggcgaa gcgtgccakc aggccakcc      960
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cgctggcctc gtccctcctcc tcgta                                     1045
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<210> 228
 <211> 1425
 <212> DNA
 <213> Homo sapiens

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<400> 228
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gccaggggcca cagagagaag agctgcttac acctgaattg ttccaccctt ttcaagaaca      120
gggttgctct tctccccatc tggatccttg ggctagatct ctgccgaggg gctccgtcaa      180
gtcccgcgaag gctagagaag ggagccccac atcatttcca ctttcaaaga gggaagatgc      240
tcgtcattca aattacttct gttgatttcc atggtatccc cctgtccgtc ccacaatctc      300
ttaccaggcg tcaatgcaca tgcaggggat ggaaagagga tgagccgatg agcagacttt      360
gcattaatca aggagaaaaga aaaagcagat ggaaggaggt aggtagatgg agaaagcaac      420
agctcctttt agcccttgat gacggccctg aaggcctgtc tcttttagtg actcctcttt      480
gggtcctctt cccctacctc tcagtacta ggttcctcat attaattccc tgctgtgagt      540
ttggctcctt gtgctgggca attcagtcac cctcagaaa agcaaagtgt gtcttggaat      600
taaggtgcag gtggggaaaa agagggactc agctagacac gaagaaaggc tctcttccca      660
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gataaagaaa aggaaaacaa tgggaattggg tttctaaggt ccttggaat atcctggggg      1080
tctaattgag aaagaaaata agaggaaatt tgaagactca cttcttctt catctgaatc      1140
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acatgagagg	agataggaat	catgactgaa	aggggattag	cacagaacag	agaaaactga	1380
tttgatagac	aatcaaaata	gaaaaaaaaa	aaaaaaaaact	cgtag		1425

<210> 229
 <211> 1002
 <212> DNA
 <213> Homo sapiens

<400> 229						
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ccgccaccaa	cactgctgct	ggtgtgtgtc	atgctaagtc	ttggcaagcc	actgggtcgc	120
acgtagggca	tgtctccatt	caggccagcc	gcatttcgag	ccacacgtgg	ttcgtggcaa	180
ctgtttggaca	gcacagatgt	agggcatcaa	aagcctatga	ccgtatgcaa	ctgggtgctt	240
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ccaaaccatt	ctgtgagtg	ctgtgcttca	aaggtgagcc	cggaggctc	tgtactcggc	660
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ggagaggaca	ctttcctgag	ctcttgaagt	ccatgcttta	tcgtttttgc	cttcagattt	900
cagagcgacc	tagcagccgt	gtgtaacaaa	cacgtcactt	gtccctgtgg	agattggccc	960
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<210> 230
 <211> 1103
 <212> DNA
 <213> Homo sapiens

<400> 230						
ggcacgagcg	gcacgagtg	caatacaact	gctgtgcgcc	tcaatgcgcc	agccccacct	60
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ctctgttgct	gccaccaacc	gcataaggcg	agctgcaaa	ccatgccatc	tgccaggtcc	180
aatgtaccat	agatgactcc	tcctcttcc	cctcctccag	cctggcttgg	agcagctaga	240
tgggcaaaagc	tagaaaagcc	taaaacggga	tgccagggagt	ggtagcatta	gagcctcacc	300
ttgtcacgct	ggccactggg	tggcagggac	cagtttcagc	aaaggcactc	acccccaccc	360
tccaaagtcc	agcctctcct	tctggcaaaa	gctggccagg	aaactggggc	caggggtgagt	420
gtgtgtgcct	ttgttgaaac	cagccctagg	tcaggtcctg	ctggacagaa	attgctgggt	480
ccaccagggc	tgcactcctc	agggagcagg	agtaggagaa	actcaggccc	agccagccct	540
gccccaccaa	gttctggttc	ccgttcctga	tgccctccac	cacagtgc	tatcccccca	600
ccccaccac	agtggtgccc	actactccct	gccagtagt	cccaggttgt	ctctgcaaca	660
cagagcatga	gagcatgggc	cagggaacca	cgggtgggtg	gggggccctg	tcataactca	720
gattgtgcaa	ggaggaggag	atcactctct	agagtctgga	attggggaag	aggagaacgg	780
tcccttcctt	ggagaccacc	tgaaggagga	aggggccac	tgctgtcact	gccacctccg	840
cagcctgcc	acgccactag	cagtgtagcc	cctgatagca	cccctaacct	gctgcctgct	900
gcctgccacc	aacagtgtag	cccctggata	gcacacaaa	caaaccgcc	accagctgca	960
gggtgtgtaa	ccccaatatc	ccccccaaag	caccctccct	ccccagagc	aggcagtgt	1002
gcaccaata	gtgccacaa	cctgaccag	ccatgggtgt	tgctgcacta	gatagcacc	1080
gaaacctgcc	cccccaacc	cac				1103

<210> 231
 <211> 585

<212> DNA
 <213> Homo sapiens

<400> 231
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 aggcctctga gctcacgatt ttgcttggcg gtaggaaagt taaacttata tagcgaattc 120
 tctcgttttt caaactcaga ttttaagcttt ggtgagttag attctttgaa actgcccctg 180
 caaatggctc ccgctccctg ctccgcctcc ccacgtcctg cgggggggacg ggacggtggc 240
 ggtgctcctg agctgtcctt cttgttatct gttcttgtct gacctgtggc atggtgccgc 300
 ccagtgcccg ctttcccagg cagcttcctg gctttgggag cccatatgga gtcaggcttc 360
 tcacccagtc cacctgcccc ccttgttggc agctgtccca ctgagcccat ctttcccag 420
 cccctccagc ctctgagact tgagccctg ttaagctctc agataatttc tgccatcctt 480
 tctgtatccg tgggtcacac acaaattcca ctacagctgt aaggaaaagt cagggctgat 540
 ccaagacctt cgttcctcac tcttcaaaga agcctccatg gttat 585

<210> 232
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n equals a,t,g, or c

<400> 232
 ggcanagact caggaggctg aagcgagagg atcgcttgag cccaggagtt caaggctgca 60
 gcaagctatg attgcaccac tgcactccag cctgggtgac ggcaagacct tgactctaag 120
 gaaacaaaaa caaaaacaaa agtgggtata aatatgactg caaaactgct ctgagctgct 180
 cctctctgcc tatgcggtag ccctgctctg caggagcggg cacagagcag taatactggc 240
 tctctaataa agctgttttc ttctgcctcc ggtttgccct tgaattcttt cttgcacaaa 300
 gccaagaacc ctctgaact aagccccact gtggggctta cctgccctgc atgaggtaag 360
 tatcaactat ggctcaaaaag gcagggtcaaa ggcagctttt caagtatatt tgtgtcacag 420
 aaactcccc tgtaacatca aaaaatgaat gattttttca attcccttta ttagggtttc 480
 ttctccctgc cccctcattt ctccacttct ttctcttctc tccgtaggta tatagttata 540
 ctctccctc acacactcat ttgtgtatg ttcaaaaata ttttggttat cttttatttc 600
 tggtaactgc tttttcatcc tgcattgagc gccaaagaaa gaattaattt agactttctg 660
 caatgtcagg gcctctcatt caattactct ccttgtctct tggaagctct ggtaacttag 720
 tttaatgacc tctcacacct tacatcctta aaaaatgccc cgtgtgtctc ctggctcggg 780
 cagtcttaat tatgttggca gctttagggt tccttattac cagcactcca ggacctcatc 840
 cccaccctgt ccccatcttc atcttcaccc agagcttccc atctccccac ctcccttatac 900
 gccaatctct gtctgcactt tatccacgat attcccatgt tttctgctct tactagaaac 960
 attattttac ccagcactgc atttttaaac tgaaagaaga tgggtgattat tatgccctta 1020
 tcgaaatcca ttacttgaaa agctcga 1047

<210> 233
 <211> 1246
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (746)..(746)
 <223> n equals a,t,g, or c

<400> 233
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aagttcacct	gtgggtggac	aggtgggtgg	tcaggctggg	caccagcccg	gcttggcatg	180
gtgcccttgc	ttttctcgga	tgttcaggga	catccctgst	cagacagcac	cttcacagtg	240
aggctcctca	gatggccctg	tccaacagtg	tggcccccac	gccatcacct	ccctggcccc	300
tcctgggctg	ttttctccac	agcccttccc	actttctggt	ctgctgcatc	ctacacactt	360
ttatcatggt	cactgttgct	ctcctctgct	cggatggaca	cccamaagg	ccaggggttc	420
tgcctggccc	actgctgtat	cttgagtgca	gaatcttagg	aagcagtgac	tgaatgggca	480
catgagtctg	tgggtggagg	aagtgggtct	tccccatggt	gcgagctgtg	atggggcccg	540
gcacaggatg	ggttaggccc	aakgccccta	tcycggtgtc	acatakggca	gggtcactct	600
ccccaccatg	atgccatcgg	gtacgagtct	cagcttcctc	gtgttatctt	gctccatcct	660
cccagacact	gaagaggacg	ctgtgtttct	ccccacccta	cacatgtgga	cacagaggct	720
ggagatgtga	aggaacttgk	tctggntcac	acagcagaac	cktctggcct	agtggagatg	780
ccatgttagc	aggtggcatg	aggatccaag	ctctgagcct	gcatttcctg	gggatggcac	840
cagggatggc	tgccagctga	aggaggggccc	acccctccac	acacagcccc	atcytgccac	900
tccccatcta	cagatcggka	cagctgggac	atggtaaggt	cctgtgagat	ccagagggtgc	960
tctggggctc	cccaggttgc	tgatccatgc	agagcttctc	cctggctcct	cctgtcagag	1020
cccaaagatc	cctgtacttt	ggaagattgg	gcaatgccta	tgtgcacgat	tagataatta	1080
gttacatgct	cctcaggtgc	cgttaagaaa	atgacactcc	aaggctgtgt	gtacttcaca	1140
caggccatta	ctgctcatcc	atgcacagga	aagcagcccc	agaggacctg	tcggggctgc	1200
cctgcccag	ccacccaccg	aaaaaaaaaa	aaaaaactcga			1246

<210> 234
 <211> 1048
 <212> DNA
 <213> Homo sapiens

<400> 234		
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ccttgcaaaa	taggtagcgt attccagtgg agaaactgag gcacaaagag gtgaaagacc 120	
tttctgtca	cagttaggaa agtggcagaa gccgtatttg aaccccagca ggtctccctc 180	
tgaagtccac	acacgtcagc gcctctgtgt tgtctctttg ccagcacagg gctccctgga 240	
gcccagagat	gggggtggtg acttgaaggg gttggcaagc ctgggctcct ccagcgaaaa 300	
ttcccttggc	cctgggcatt cctaagcgag aaaggctca atcctatttt cttctcctaa 360	
ttggatgcct	tttattcctc cttcctaatt gaagtctggt cattgctggt tgccatggca 420	
gcagccaaag	cgctcatctc actgtggcct gtctctgcct gcggccaatg ggaaacctcc 480	
tttcccatat	acgggtgggga catggagtgt caggctgtcg tattctgggt gctggaggag 540	
gagaggaagt	gagatgggag gaaaaaggcc tgtcctctcc cagcgagaga ctccggacag 600	
caggatgtgt	ggaatcccca gtctgttttc agccaggcag caacagcatc tgtactgagt 660	
tgagtctatg	tgtctaccag tgggctaaga acttcatgtg cagtatctca tttaatcttc 720	
gtgatggccc	caggaagata agggatcag gccagaaaag gctaagtaag ctgccaggtc 780	
atccaaggag	aaaatggcaa agcctggatt tgaacagaga ctccagcttc cttatgtgta 840	
gccatctcac	catgctactt ctcagggggt tactatgagt gtctctcatg tccccagacc 900	
cagattacag	gtttggagga atacacagcc caccttccca atatcgagc caacagttc 960	
accaaagcc	ctgcatggca tcacaggag cctagttgcc cactgctcta ctgctgagct 1020	
caatgccacc	cagcccgggc tctctcga	1048

<210> 235
 <211> 1178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (138)..(138)
 <223> n equals a,t,g, or c

<400> 235

gaaagcaggc	tcatttgggg	actgattcaa	gcagggttct	gaagaaagag	ctagcccact	60
gcgcagtggc	ccacctggag	aggtagcagt	ctcctttcct	gatgccagat	ccaagcagag	120
gctaattgctg	gagaccanga	tgcccgtggg	agaatccctg	tagctagagg	gaatattctg	180
gaagtaattt	atccctgtac	cgccctgtgg	ggttgggtgt	ttcttgccca	ctgcatgagt	240
tggtattact	ctaagagcga	cagatacatg	ttttcacatg	ctttccatgt	actagacact	300
ttctaggcat	cagttctcaa	catgacaaag	agatccttct	cagggaaatc	agatccctct	360
tccactgctg	aaaaaccca	cagtggctcc	catttcactt	ggcataaaca	ccagtggcct	420
tgcagtggct	gccaaagtca	aaccatctgc	ctttctgctt	cctgctcacc	cttttccttc	480
atcttctcay	cttttctgtc	ttctccatag	ctcacactcc	cctagccaca	ctgttctcct	540
tcctacaatg	cagcacactg	ggcatgcttc	tacccaggs	cccttgaccagccgmacca		600
tctggttgac	atgcttctcc	cacagattct	tgcttggcta	actccgttgt	gctctggttt	660
ttgtcaagca	gtcaccttct	ccatgaggcc	cacctgggccc	accatattta	acactgcagt	720
ctacactgcc	tctcctccca	ccaccagca	ctcccaggcc	ctcactctgc	ttcctttatt	780
ttttccattt	cgccagccat	cttccaacac	atgggaccac	atccttattt	attgagtgtc	840
ttgttgacag	tctctaagac	tgtgcctgcc	ttgttcaactg	atgtatctct	agcgcctaca	900
acagggtcgg	gcacagagta	ggagctcagt	aaatacttgt	ggaatgaatg	aatgagctca	960
ttttacctca	atcacaaactc	caggggtaga	catggtgatt	tcaaccatt	ttatggttga	1020
agctcagaag	cttacggaac	ttgcccagg	tcacatagtt	agtaagtggc	tgagtgcgc	1080
atcaacccaa	agcctgtctt	actctggggt	cctggatctt	aacaaaaaca	ctaagctctt	1140
ccctcctcca	ggtgagcccc	tggtcctgat	gcctcgag			1178

<210> 236
 <211> 825
 <212> DNA
 <213> Homo sapiens

tgacaggaatt	cggcacgagc	cagagcagcc	ctcaaagcct	gggctgttga	gagtgcacat	60
cctggcctgc	ggtgacagcc	gtcagatggt	gaggggcccc	aggcgactgc	cccagcagca	120
gggcctggga	gctgcacagg	ggagaactcg	ataaggagca	tcatgagcat	agtgggtcca	180
ttgacaacat	gcagtcacca	cggtgggtgcc	taatgacaaa	atgacatcat	gccacctgca	240
aaaaaagtaa	aaatgatcag	aggcgagctt	gtcagagaag	ctttgaacta	ggtgactgca	300
tgaacatct	cagaggcgga	agagtgcctc	ccccctccccg	ggactccccc	ctgggtgccct	360
gagctcatca	tcccttctct	tgtagcatat	gctgtcaata	cccagggcct	tttcgaaacg	420
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cctccttggt	gctcagctgc	tggtcagctc	catatgcctt	gtgggtccctg	ccctcccaag	540
gcctgtgaac	aaatgcttag	tcccagatta	gagtctacg	caatctggga	tgtgagctga	600
gtggcacctg	tcgtgaacca	ggccagagtc	tacgcaatct	ggggtgtgag	ctgagtggca	660
cctgtcgtga	acgtgcatgc	acatgggcat	tttgtcagtc	tgcaccgggtg	aataaatgtc	720
gctgcatttg	ccagctgagt	gtcaccaggt	tccaggtccc	attacacatc	aggaattgtg	780
tccgactctt	ctggatccgc	tgattggacc	tgagggatcc	ctgac		825

<210> 237
 <211> 853
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n equals a,t,g, or c

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<400> 237
aattcctaac gcaaaagcan ccctggggaa gaacacagan acaggtgaca cgtgtcagac      60
tgggcccattg tcaggtacat gtatttccct tcacctcacc ctgaaatgtg ccatttcaga      120
aagtggtgca tttaccagac aatttgggtt gatcatcatg ttagccactt ggcatctcag      180
tcaccatctt ggtcacctgg tcaacatagc aaccacatct ctgggtcagc tagctttatt      240
tgcaccttga tcactaagat agatgtcatc tgcaaagctg ttttaataatc ttaataatgg      300
tctttattat ttccagatcc cttagagtaac cttagaacag caagaactat tcattcatcc      360
ataaattcca gcaaggtgct atagaaagca tatggaaaa aagaggaaaa gagagggaga      420
acatattgta aaagtagaca gggattctgc tactgagaaa ttcaacacct ggcaaggggg      480
atgaacagga aagagaggtg ctggcagaat aaaatcactc cccagctccc cacacaatga      540
gcaatgagta tgctatttct attttgtgtc catgtgtcct tgctcatatt cttaatctgc      600
agcccaatgc tctacctgtc agctataccc cctcctcctt gctcatactc ttacttgtga      660
cttgaagtga cttcctgtct ctgcctattg tcacctcccc catgaaggct tccccaatta      720
tcctgaagca gagacagtcc atccctccct cccctgtgca accagggccc ctgggctgac      780
ctcaagcttc tcacacttgg ccataatag ctttttaggta tttatctccc acactagact      840
ctgagctcct cga                                         853

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<210> 238

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (616)..(616)

<223> n equals a,t,g, or c

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<400> 238
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ctgtaatgtt tgatgtctga agctgggtgg tgggcatggc tgtttgttat tctccatcct      120
tttggtatgc ctgatacatt tcataataat tttaaaaagg acaagactac tgcagagaaa      180
tgcatagagt gagctctgtt tgggttttta aaatgattcc tacatctatg cttgcagatg      240
taagcaccag ccctggaaaa cattgcaagg gattcttagt aggcccaagc tttgggaaag      300
ggccaagggg gctggggagt tgattaggag gggatacatg ctttttccctg ctgccttttg      360
aattttgtac cacacgtagt attacttatt aattaaaaaa taatctgaac tagcaggcg      420
tggtggcaca tacctagtct cagttacttg gaaggctgag gcaggaggat cacttgagcc      480
caggtggttg cggccagcct gggcaacata gtgagaccct gtctcttttag aaaaaacagg      540
ccaggcatgg tggctcacac ctgtaatccc agcacttttg gaggctgagg tgggtggatc      600
acctgaggtc gggagntcga g                                         621

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<210> 239

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (18)..(18)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (27)..(27)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (56)..(56)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (889)..(889)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (898)..(898)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (900)..(900)
 <223> n equals a,t,g, or c

<400> 239
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 gaaccggaag gagcgcccaa atacgcaaac cgcntctcc ccgcgcgttg ccgattcatt 120
 aatgcagctg gcacgacagg ttccccgact ggaaagcggg cagtgcgcgc aacgcaatta 180
 atgtgagtta gctcactcat taggcacccc aggcctttaca ctttatgctt ccggctcgta 240
 tgttgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat gaccatgatt 300
 acgccaagct cgaaattaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg 360
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agacgacacg 420
 ataaataaaa gcagatgttc aaatgggaga cacctgaaga gacaagttag tccaatggat 480
 aggagcgaag gaaactgccc ctttgtaaag atgaggaaa agagtgtaaa attatgctct 540
 cactacactc atgctgttac taaggcctac agagagaagg tattgagagg tgacaacatg 600
 ctggcagccc tcgcttgctc ttggcgctc ctcagcctcg gtgccactc tggccgtgct 660
 tgaggagccc ttcagcccgc cgcttactg tgggagtccc tctctgggct ggccgaggtc 720
 aaagccagct cctctgctt gcaggagggt gtggaggagg aggtgcgggc aggaactggg 780
 gctgcgcgcg gcacttgtag gccagctcga rggggggccc ggtacccaat tcgcctata 840
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 aaa 903

<210> 240
 <211> 909
 <212> DNA
 <213> Homo sapiens

<400> 240
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 ttgtattgtt ttccataatg gctacaccaa tttacattct cattaacagt gcaaaagggt 120
 ttttgtttct ctataccttg ccaacttgtt atctattgac tttttgataa taggctttgc 180
 atttgcctga tgattaatga tattgaacac attttcatat acctgttggc cactttttat 240
 gtcttctttt gggaaatgtt tgtttattct ggtacttggc ctatttttta attgggtttt 300
 tgtttttttc tttgctattg attttataa atttttggat agtaacctgt tatcagatat 360
 gtggttcaca aatattttct cctactctgt agattgcctt ttcattttat cgattatttc 420
 ctttgcctcg tagaagcttt tcagtgtgat gtagtcctac ttgtttggtc ttgctttcat 480
 tgcctgtcct atcagaaaaa tcattgccaa ggccaatatg tatcagcttc tttcctagt 540
 tttctcctag gtgtttttaca gattcaagtc ttatgttttag gtctttaatc tgttttgagt 600

tgactttttgc	tcttggtgta	agataaggggt	ccaatttcat	cctttttgcat	gtggatatcc	660
agtttttccca	acactagata	tgaaagagac	taaactttac	ccattgtgtc	ttcttggtgc	720
ctttgtctaa	gacacttcta	tgacagttgt	ttctcagatg	ggtacttgtt	tacgtgattc	780
acaacagtga	atggaaatgt	ttaccactca	tcactccatc	taacacacct	tgtaaagaca	840
catgtaaaaa	ctgttcta	agtaccagtt	gcaactataa	ctgaaaatag	tattatttta	900
ggaactagt						909

<210> 241
 <211> 901
 <212> DNA
 <213> Homo sapiens

<400> 241						
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cctgggagc	agagcgagac	tccggctcaa	aataataata	ataaattaga	gatggggtct	120
cactattttg	cccaggctgg	ttttgaactc	ctgagctcaa	gggatcctct	cgcctcagcc	180
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aatcaatgct	gggcagccct	gcagcttggt	gacatcagtg	ggccactggc	tactgggtgt	300
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gttccaggtc	accagatcct	ggggtggccc	gtaaggattt	gaaggggaca	ggaggcgccc	420
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gacatcgaga	ccatcctggc	taacatggtg	aaaccccatg	tctactaaaa	atacaaaaaa	720
attagccagg	cgtggtggtg	ggtgcctgta	gttccagcta	ctctggggc	tgaggcagga	780
ggatcacttg	agcccaggag	gctgaggttg	cagtgcagctg	tgactgcacc	actgcactcc	840
agcctgggca	acagagcaag	accctatctc	aaaaaaaaaa	aaaaaaaaaa	aaaaactcga	900
g						901

<210> 242
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (683)..(683)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (685)..(685)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (728)..(728)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (811)..(811)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (814)..(814)
 <223> n equals a,t,g, or c

<400> 242
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 actagtggat cccccgggct gcaggattc ggcacgagct cgtgccgaat tcggcacgag 120
 aaattcatgg gagtgggatt attaaataga ataatatgaa caattgtatg gcttatgttt 180
 gccttattgt attcccaaag agctgtaaca ttttatagca tcaccacttg ggcaggggta 240
 ttacctgttg ttgctaattt agtaagtaga agagagagat caaagtttct ctaattgtg 300
 tttgtgtaat ttatctgtat actttcttca tttatataaa taaatgtctt cactttggga 360
 ggctgaggcg ggcagatcac ctgagggtcag gagttcgaga caagcctggc caacatggta 420
 aaaccccgtc cctactaaaa atacaaaaat tagttggatg tgggtggctca catctgtagt 480
 cccagctact agggaggctg aggcactaga atcacttgaa cccgggaggc ggaggttgcg 540
 gtgagctgag ttcacagcct gggcgacaag agttaaactc catctcaaaa aaaaaaaaaan 600
 aaaaaaactc gagggggggc ccggtaccca attcgcccta tagtgagtcg tattacaatt 660
 cactggccgc gttttacaac gtngngactg ggaaaaccct ggcgtaccca attaatcgc 720
 cttgcagnac atcccccttc gccagctggc gtaatagcga aaaggccccg accgatcggc 780
 ctttccaaca gtgccaacct gaatggcgaa nggnaaa 817

<210> 243
 <211> 1959
 <212> DNA
 <213> Homo sapiens

<400> 243
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 gagcttttga aaagaacttg gttgacactg cttttattgt ggataaagga gagatgggtca 180
 gtaattaatg gcttgaagta ttattggagt ggtttatcat ttctgaaactaatcgtgtca 240
 gaattgactt tgaaaagcat tgctttttac agaaatataat taacttttta ggagtaattt 300
 ctagtattgga ttgtaatatg aaataattta aaagggtctt gctcatatat aggaaaatcg 360
 catatggtcc tagtattaaa ttcttattgc ttactgattt ttttgagtta agagttgtta 420
 tatgctagaa tatgaggatg tgaatataaa taagagaaga aaaaagaata aagtagattg 480
 agtctccaat tttatgtaag cttcagaaga actggtttgt ttacatgcaa gcttatagtt 540
 gaaatatttt tcaggaatta catgaatgac agtcttcgaa ccaatgtgtt tgttcgattt 600
 caaccagaga ctatagcatg tgcttgcatc taccttgtag ctaggcact tcagattccg 660
 ttgccaaactc gtccccattg gtttcttctt tttggtacta cagaagagga aatccaggaa 720
 atctgcataa aacacttagg ctttatacca gaaaaagcc aaactatgaa ttactggaaa 780
 aagaagtaga aaaaagaaaa gtagccttac aagaagccaa attaaaagca aagggattga 840
 atccggatgg aactccagcc ctttcaacct tgggtggatt ttctccagcc tcaagccatc 900
 atcaccaaga gaagtaaaag ctgaagagaa atcaccaatc tccattaatg tgaagacagt 960
 caaaaaagaa cctgaggata gacaacaggc ttcaaaagcc cttacaatgg tgtaagaaaa 1020

gacagcaaga	gaagtagaaa	tagcagaagt	gcaagtcgat	cgaggtcaag	aacacgatca	1080
cgttctagat	cacatactcc	aagaagacac	tattaataat	aggcggagtc	gatctggaac	1140
atacagtcga	gatcaagaag	caggtcccgc	agtcacagtg	gaaagccctg	aagacatata	1200
atcatgggtct	cttaccttaa	ggccaagcta	ccgagatgat	ttaaaagttc	aacgacatgg	1260
tcataaagga	aaaaattcgt	ctcgatctca	gagcaagttc	gggatcactc	agatgcagcc	1320
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ttatttttat	acagataaaa	ttgcagacac	tgttctattt	aagtggttat	ttgtttaaat	1800
gatggtgaa	actttcttaa	cactgggttg	tctgcatgtg	taaagatttt	tacaaggaaa	1860
taaaatacaa	atcttggttt	ttctaaactg	cttcaaatac	cttattttaa	taaattatta	1920
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<210> 244
 <211> 922
 <212> DNA
 <213> Homo sapiens

<400> 244						6
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gatttttttt	ctttctgcag	ttgtgtgtat	gtgtgtttgt	gtgaagaaaa	acagactctg	240
tccaggtaga	aatgggtgag	agggggaaga	gaattacatt	tccagggtca	gaaacttggc	300
aacagttttc	ctagagtgc	tcagacacac	cacagtaaca	actctcgtcg	caatttttatt	360
ttaatTTTgag	aaataaagat	ttcctccaag	ccacatgagg	actctggcac	ccaccacaaa	420
agcaagacct	gtattttata	gccgagggct	caggagcct	aactgcggga	cccgtcaggg	480
ccccgtgacc	catccccgtc	cccaccccc	cctccaccgc	tgggcccac	agtgtgtgtt	540
gggggggatgc	ttggcagctg	gggggtgagga	gacaacaaac	ctcgggaact	ggagccagag	600
ctgcggcctg	actgacgcct	tttgatgtct	acgggaaatt	tctgccagg	atctcagccc	660
caggctgggt	gtttctacaa	atctctctca	aattgtattat	tttggtgaca	aaaatgaagg	720
agctttgttaa	atttttttaa	aattatgaat	catatcaagt	agttgtttac	atttcttgaa	780
aaaatagga	ctcgggcagc	agaatcagat	tggcagaatc	tttagactac	acaggcaata	840
atcaagtcctg	ctgttttggc	ctttcgtagt	agaagtgggt	gtagtgttta	gatatctgtt	900
tggtcttgct	tcttgatttg	catttttttc	aataaacaac	aacaaaaaga	aaaaaa	922
aaaaaaaaaa	aaaaaaaaaa	aa				

<210> 245
 <211> 900
 <212> DNA
 <213> Homo sapiens

<400> 245						60
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gagaagactc	tatttctgt	gtttgggtg	agtatgaact	tttgggggat	actaacttac	180
tatatactca	ctaggttaat	ctatgctaaa	taccaaacag	gaaggcagct	gtagggaaaa	240
gcaagagtat	gaaacctgga	aaaacaattg	ccagactctg	ctgcttgtgg	gtatgtggcc	300
gtgggtaagg	tagttgtctt	gtgctttcag	cttcctcatg	tacaaaattg	agaataat	360
gatgcccact	ttgtggaatt	cttgtaaaga	tgaagagatt	ccaaatatgt	aaagtgcata	420
gaacaatccc	cagcaaaaag	tggaaacatgt	tagtgataat	tgctgtcata	gtcgggtcttc	480
ttgcttagta	ggcctgagat	aaaactttct	cctatttcat	ccctcctcct	ccctcttctc	540
gattttacat	gttattttat	tgtttctccc	tctcactata	attattttgtg	agaagttaca	600
agagttatac	tatggttagag	cagacaggct	ttgcacacct	tcagggtcag	ttctggacca	660
aaccactcag	aaaccactgc	acggatgaat	ggctggagat	tgtggggcct	attgtgtctc	

cagggtggctg	tggttacatg	ggatccctgg	aatgttaatt	aattttca#	tttcccttta	720
aggtacttct	gtggctcaaa	caatgaattt	ctgagttagg	tcccaaagtg	gcatttttgt	780
ttgccaacac	cctcatagga	aactgtatta	gaagctttct	tgtaatat	aagagccttt	840
aaaagagcga	gactccgtct	ccaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	900

<210> 246
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n equals a,t,g, or c

<400> 246						
ggctgcagga	ttcggcacga	gaatcatcag	agatgaaact	gtttgagaga	ctcatgtgac	60
cttacgaaaa	ttacaacagc	agtcttaaag	tatgaaaaag	atgcataca	gcagagacat	120
tatggcccag	ttgatatcaa	atgtaaaatg	tnaatgcatg	taaatgcaca	cttcatttta	180
tgtattat	agtaatttgc	agtggatgt	gtttaatat	tttgctacct	acacattagg	240
caaaaaaag	atgtaaataa	tttgggagaa	aaagaggaag	aacagtgtaa	aataaaactt	300
tctataagta	ctccatttca	atgtgttcaa	catcatccta	aaaggcaaga	tttcccacg	360
caggtgacaa	ggtggtttat	gtactattta	agggcggaag	gtgcgtgccc	gttcaataag	420
catgtttttt	gccaggtagg	aaatatgttc	catatcttta	cttatcattg	catttcagat	480
gggaactaga	aaaactggag	agaaaaatgt	aatgaaactg	ctgctgtaaa	ttattccttt	540
tagcatgtat	tcacttgcta	aatacacatt	tcttcaaat	aaaaaaaaa	aaaaaaaact	600
cgta						604

<210> 247
 <211> 1119
 <212> DNA
 <213> Homo sapiens

<400> 247						
ggcacgagcc	ttgatagctt	ttctagtacc	atgtggattt	ctagagaagg	gaatattccc	60
agaggaaaca	ggggcaccaa	acaacaaata	tcaagtatac	atgttaagac	aggttttttt	120
cttcccgcga	tgtttagggc	cagtaagagg	tctcttaagg	acagtcagtg	tgattgaagg	180
gttatcacagt	tttcagcttt	gaacagttat	ggatcaaaat	tgattttgct	tttaatat	240
acatctatta	ttgctcagtg	atggatatac	tgcgttgggtg	ggtatattgt	agcagatact	300
gttatttctt	ctttttatat	gtttaaagta	tttcataatt	ttaataaaat	agaaaattaa	360
ctttgctttg	atttaagttg	gtgaataata	acaaatattt	gggttataat	tyccctttag	420
tattaagtta	gctgtagaaa	tggtgttgta	tctgacctag	taaccattt	gactttttaa	480
agatgaatta	ctaaattttt	ttaatgatat	gaaaaaatgt	aatttgctcc	ctttacctct	540
tatcaatata	tttatgatac	cataggtacc	tgcaagggtg	ggagttacag	tccgagacag	600
tctaaagaaa	gcactgatga	tgagaggtct	aatccagag	tgctgtgctg	tttacagaat	660
tcaggatggg	tatggtttgt	atgtgrcgtg	aaattttgtt	taaaaagaaa	atcacacatt	720
aaactttgaa	gttttcttag	gatctttacc	aaaacctagg	gaattgaaag	tgtacttttag	780
gaaaaagtat	taaaataata	ctaagttagc	ctgaagaaat	actgtaggcc	atatgaggag	840
ttaaataaatt	gtatatgact	gtagggtttg	ttactttgat	caaatgattt	tatttggaat	900
ttgagattct	tacaattttt	gaaccattca	gagtgtgatt	tatttgata	atagactctt	960
acccccctcc	catttttaaat	acaaactcat	agtttcacaa	aaggtatatc	aaaattaaca	1020
ttttatattg	acctactttt	ctttcagaa	gtgtctaaca	ttgttccaag	accctcacat	1080
tttgaatcct	ctttaaaaaa	aaaaaaaaag	ggcgggccgc			1119

<210> 248
 <211> 927
 <212> DNA

<213> Homo sapiens

<400> 248

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aatgcacaga	aggattctcg	gacatctatc	tgctgtttac	tgtgtagcat	ttgataggac	120
aggacataga	atcttttacag	gttcagatga	ctgtttggta	aagatttggt	caacacataa	180
tggccgcttg	ttatctacat	taagaggcca	ttctgcagaa	atttcagata	tggcagtaaa	240
ctatgagaat	acaatgattg	ctgcggggag	ctgtgattaa	aattattaga	gtgtgggtgct	300
tgagaacttg	tgccccagtt	gctgtgctcc	aaggacacac	aggatcaatt	acatctttac	360
aggtaaaactt	gtagcttagt	gggcacattc	cctatatgta	ttttcacctt	tttcttttaa	420
acagtttctt	tgggaattga	gaaatagtaa	gatgtgtatt	agttatgttt	taagtaagag	480
aagtgataat	cattcatata	aatcatataa	atcatggaag	gctgatgaaa	tgaagatcta	540
atgcatattt	acatgaaggc	ttattgatat	tttggggtta	tggttgaact	ggatgagtgt	600
caattagaaa	ctggtgatag	attaattatt	tttcaacttt	aaaacttggt	gatttttgcta	660
agttgatatt	tttttttttt	ttgagactga	gtcttgttct	gttggccagg	ctggagtgc	720
gtggtgtgat	ctcagctcgc	tgcaacctct	gcctcctggg	ttcaagcgat	tcttgtgcct	780
cagcctcccg	agtagtctcg	gtactcctga	ggttgagggg	ggattgcttg	agccaggagg	840
ttgaggctgc	agtgaagcgt	tatcgacca	gtgcattcca	gcctgggtga	caagtgaga	900
ctgcctcaaa	aaaaaaaaaa	aaaaaac				927

<210> 249

<211> 1365

<212> DNA

<213> Homo sapiens

<400> 249

ccacgcgtcc	ggtgacagaa	tacatgttag	aaagactgac	tgctctgcaa	ctccttatta	60
acgttaagta	ttgatgggtc	aagacaatgg	tctgaccctc	ctgagaccct	gaagcacctt	120
ctcgtgttca	gtaatcctag	cattcctccc	caagcagacc	cctcgcaggc	ctctgcatta	180
ggctctggct	ctgggtgctg	gcattgccct	ggggcactt	cccctgcata	tgtgttggta	240
tgtcatctcc	aggcctcttt	ggctcaacag	gctctgcatg	tcctccaggc	ttttgtgtt	300
gccacagccc	tctgtattga	tcactctcag	acctgcagcc	tcagtgggct	ttttgcctgt	360
gggagaacat	atctctaggc	tctaagtcaa	gccagctgcc	tgcccagctg	agctctctgc	420
agctctctcc	attccagcta	gtttgggctg	taggaatcaa	ctgagagggt	tccctttcct	480
gaagctacat	gcggaatca	tttccttgct	ttacacttgg	cagtccttgc	atcactgttt	540
tctgcagtcc	tgatgtagtc	tgtttctaga	attctcaagc	atttttagaa	aaatatTTTT	600
atagaaaaat	actcaggcta	acctagtggg	tataatcttg	gagcttccag	attaccact	660
taaagatcaa	agtattatat	gctgtgtgct	tttttagctgt	tagtgctag	aaagcaaaaa	720
tgctttctgc	gttgctcctc	ctgatctact	ggacaccaac	gagcatgtgc	ttaacgctgt	780
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tcctcctctc	aaaatctccc	tacgaagatg	gtgttccact	gagcgagctc	agcgcaagta	960
ggagagagca	gacagcttta	ctggtcacat	gtatgctttg	atttagcaca	atgtttcata	1020
gaaagtactg	accaggaaac	acaggtgtca	catctctaga	aagaaagtac	gtagtatttc	1080
aattcccagt	gtgtaccttc	tgtgtttttt	gtaagtaaaa	ghagactct	atactgatct	1140
cagtcaccca	ttctggtttt	caagtatgag	ctatataggc	tatgcgtgac	gcttattaaa	1200
tacttttgta	ccatgagtaa	acttgagggt	ctgttgcaag	aaccatgaaa	aaaaaaaaaa	1260
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1320
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa			1365

<210> 250

<211> 1478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (46)..(46)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n equals a,t,g, or c

<400> 250
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 aggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgattagaaa 180
 ttagtgctag aggatttaat tagccagctc acaggatgca gtccctttaa tttaggattt 240
 ccctttgaga aaattatgga gttgaaaagg aatagatat ttcatacaag tttccatctt 300
 gggcccttat gttgtttgtt ctgctgatct ggaaattgta catgatttac attaaaactt 360
 tttgttttta atatcgatta ttgtagtgtg ggggtgtaga ttatgtgcaa tagttctcag 420
 agttgggaaa ggtaaaaggg tttttttggg caatgattaa ctcatctact ttaccagggt 480
 tacataatca agtattagtt actatacatt tagctaattgc agtgggttta gttaagcaat 540
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 tctttcttcc gcctgttggc agtgcattat aagagcagtt cttcaacttt ctggtatcac 1380
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 actatgtttg aaattaaaaa aaaaaaaaaa gggcggcc 1478

<210> 251
 <211> 1125
 <212> DNA
 <213> Homo sapiens

<400> 251
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 tctcctgtga tgccctgtga aatggcttgt ctccctcccc atcagggccc acgaaagct 180
 caggggagca cagaagccca tggaaagccca gggagatgtc cctggggcag acactaaggc 240
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tggagagaaa	gggcttccag	gccccctcaa	gcctggggaa	ggacgtggca	tccaagctga	540
gccagagggg	actgctgctg	gcctcccttc	atttctgtgg	accttgggg	ctttggcttt	600
gtggcagggc	ctccccaggc	agctctggga	cctaggagtt	tgcttctgat	agggtcagct	660
ttcccatttc	ccttcaatgc	ttgggaacct	tctcccttag	cttcacactt	gccatttcaa	720
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa		1125

<210> 252
 <211> 1157
 <212> DNA
 <213> Homo sapiens

<400> 252						
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aaaaaaaaaa	aactcga					1157

<210> 253
 <211> 1552
 <212> DNA
 <213> Homo sapiens

<400> 253						
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aatgacgagg	gagaggaaaa	aactttattg	aaaaataaaa	aggcaggtaa	tttagatgaa	480
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<210> 254
 <211> 897
 <212> DNA
 <213> Homo sapiens

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aagctgtata	ctatgttagt	tagatccttg	cttctcaggt	ctgggaaaca	tcttcataca	180
tcttccatgc	acaggtgtac	tcattgtgct	gtttgtatat	gagcttatgc	ttctctctct	240
ggtgtttctt	cctcattggg	ctttaccttc	tcttccttac	ttttcctttg	cccttcctag	300
caatactgtt	aagccagata	tttacttctt	atgtggatca	aatagtctta	tatttcctgt	360
ggacaagaga	tatgttttct	actcatttat	ttctctaatt	gtgaatagga	aacagctaga	420
aaattggaat	accttcagct	tatgtggctg	ttgattgact	ttgtgattca	gtgggccttg	480
atatattaga	aaaaagtctt	ttcttttctc	ttaaaattag	tataaaggaa	cgcattgaact	540
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ccaatagtag	aactccagcc	ttctggagag	ttcttgctcc	cagatcttgc	tctctacatg	720
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ccttggggaa	gtgcagaagg	gaattaatag	agaggatcca	tttcgtagtc	tctgccactt	840
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<210> 255
 <211> 1767
 <212> DNA
 <213> Homo sapiens

<400> 255						
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cccattcacc	ggcggtacc	ggcggcggcg	cgcagctgtc	aggcggagag	acccgccgcc	180
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taaaattcaa	aacttttaag	tagctgctta	tgagaatagg	gaaggcagaa	agctaagtgc	300
tgtctcaaga	tacaggacag	ctgtttgctc	atcaacctta	actgtgtgtg	caactgagga	360
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tttatggaaa	ccctcgtaca	aatggcatgt	gttcagtagt	ctataaagaa	catcttcaaa	480
gacagaatag	tagtaatgg	agaataagcc	cacctgcaac	ctctgtcagt	agtctgtctg	540
aatctttacc	agttcaatgc	acagatggca	gtgtgccaga	agcccagtca	gcattagact	600
ctacatcttc	atctatgcag	cccagccctg	tatcaaatca	gtcactttta	tcagaatctg	660
tagcatcttc	tcaattggac	agtacatctg	tggacaaagc	agtacctgaa	acagaagatg	720

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaa				1767

<210> 256
 <211> 1129
 <212> DNA
 <213> Homo sapiens

<400> 256						
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tcctgtatta	ttcttttgca	tatggatata	tagttttgga	aatcttcccc	gttgtgtcat	180
tttggtgggtg	ttttgaaaaa	tgtgttcatt	ccatataaat	ttttgtttat	tatcgagcac	240
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ttctcagaat	aactttggaa	attcaggggtg	tttcacattt	ccacataaat	tttggcattg	420
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ttactttgaa	acatatggta	catttgtgtt	aaggctagtc	accctgctgt	ggaatagaag	660
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<210> 257
 <211> 1284
 <212> DNA
 <213> Homo sapiens

<400> 257						
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<210> 260

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1138)..(1138)

<223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1196)..(1196)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1202)..(1202)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1225)..(1225)
 <223> n equals a,t,g, or c

<400> 260
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 ggactcattt taatcttctg cctacctttt attcctcctc agagatggca gaagattttt 180
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 cataccattg agaagagctc caccagcaga cctgatgcct atgaacacac acagatgaa 360
 ctttttaggt ctcaaagaaa tctttacatt tctggatttt ccctattttt ttggctagtt 420
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 aataggcctt ggaaagcttt ggattaagggt tttccaggta attaatacc cctttnaatt 1200
 cnggatggat ggtgtgtttg gaaanagggt ttccatttcc ggccaattt 1249

<210> 261
 <211> 1129
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (564)..(564)
 <223> n equals a,t,g, or c

<400> 261
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 gtgggaaatg taactttgtc atcttgacaga gcctacaatg caaacatttt ttccgccccca 120
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 cctgttattg acagctgaat tgtgtgggat tgagagcctg tatgtgaata gtcacagatc 420
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<210> 262
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 <212> DNA
 <213> Homo sapiens

<400> 262						
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<210> 263
 <211> 1160
 <212> DNA
 <213> Homo sapiens

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ctgtttggcc	tttaagtttt	attgctta t	ttttgagtat	gtattttattt	ttttgattat	240
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aaaaaaaaaa	aaaactcgag					1160

<210> 264
 <211> 835
 <212> DNA
 <213> Homo sapiens

<400> 264						
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tgcatctatt	gagataaacg	tggtttttgt	cattggttct	gcttggtgta	tggattacgt	180
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tcacaccaat	gttcatcagg	gatattggcc	tgaaattttg	tttttttggt	gtgtctctgc	360
caagttttgt	tatcaggatg	atgctggcct	catgagttaa	ggaggattc	ctctttttct	420
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<210> 265
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 265						
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gagcccttgt	ctttcctact	attgctacaa	tagttggtaa	attgatgttc	agtagtgta	180
actctaattt	acaaaggaca	atcttgggtg	gaattgcgtt	tgttgccata	aaaggagcat	240
ttaaagttta	cttcaaacag	cagcaatatt	tacgacaggc	acaccgcaaa	attctgaatt	300
atccagaaca	agaagaagca	taaaactgac	ttctggttgt	tcgcagttc	tctcatcctt	360
atgaatctgt	tgtgttggtt	tgattccatc	attaatgcac	ttgtggagac	ttgtgataag	420
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<210> 266
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 266						
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ataggtgtct	gtcaactcct	gttgggaggt	ctctcccaat	caggaggcat	ggaggtcagg	540
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<210> 267
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 267						
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gctgtttaca	ttcctttgtg	gagcctacat	cttcctaagc	tttttagcag	gtatatgttg	180
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454

<210> 268

<211> 788

<212> DNA

<213> Homo sapiens

<400> 268

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aaaaaaaa						788

<210> 269

<211> 908

<212> DNA

<213> Homo sapiens

<400> 269

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aaaaaaaa						908

<210> 270

<211> 1891

<212> DNA

<213> Homo sapiens

<400> 270

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 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 271						
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<210> 272
 <211> 1760
 <212> DNA
 <213> Homo sapiens

<400> 272						
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gaggagatt	ttcaagcaga	aggagaggc	catgtccacc	acctccatct	ccagtcctca	480

gcctggcaag	ctgaggagcc	ccttcctgca	gaagcagctc	acccaaccag	agacccactt	540
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<210> 273
 <211> 325
 <212> DNA
 <213> Homo sapiens

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catgattgcc	aggggttggg	ggtggggaaa	gcgtgtgact	accatggggg	agtatgaggt	180
gattttttgag	gagatgaaac	tgttctgtgt	cctcattgtg	gtgtgggta	catgagttag	240
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atttggttaa	aaaaaaaaaa	aaaaa				325

<210> 274
 <211> 878
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (219)..(219)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (222)..(222)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (862)..(862)
 <223> n equals a,t,g, or c

<400> 274

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tgtgagagca	catcagtgtg	tgcaggctgt	gtttccccc	ttctctcctc	ccttcagacc	540
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ctgcggggga	aacaagatca	cccagcatcc	ttccccaccc	cagctgtgta	tttatataga	660
tggaaatata	ctttatatatt	tgtatcatcg	tgcctatagc	cgctgccacc	gtgtataaat	720
cctggtgtmt	gtcctttatc	ctggacatga	atgtattgta	cactgacgcg	tccccactcc	780
tgtacagctg	ctttgtttct	ttgcaatgca	ttgtatggct	ttataaatga	taaagttaaa	840
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<210> 275
 <211> 1135
 <212> DNA
 <213> Homo sapiens

<400> 275						60
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cattttgtgta	gctaattaca	gattatggtg	caaagtatgt	ctcatattcc	tccccctaac	240
cccagctaata	tgctgtatac	ttgacagttt	atttcaatat	tgtattaaga	cattggtttt	300
gtgctggaca	gagtaaaaag	gagatgggat	ttttttttta	aagaacaatt	tatttcataa	360
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catgaagatg	tctgcagaag	acattgagaa	agtcaacaaa	ggaattggca	ttgaaaatat	960
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gcacttggggc	taaatatgga	tattggctgt	atctgtgttt	gtgtctgtgt	gtgacagcat	1080
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa	

<210> 276
 <211> 2704
 <212> DNA
 <213> Homo sapiens

<400> 276						60
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gagctgcagt	ccgcctcaa	ccgtggctac	aagcccgcct	ccaagtaat	gaattgcttc	240
ttgtcacctc	ttttgacact	gctggccaag	aatggagcct	tcttcgctgg	ctccatcctg	300
gctgtgctta	ttgccctcac	catttatgac	gaagatgtgt	tggtgtgga	acatgtgctg	360
accaccgtca	cactcctggg	ggtcaccgtg	acogtgtgca	ggtcctttat	cccggaccag	420
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ccaccacgtg	agagcacagc	cttcctaggc	ttctcaagg	gcaggttcag	cgggatggag	840
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aaaa						2704

<210> 277
 <211> 1225
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1214)..(1214)
 <223> n equals a,t,g, or c

<400> 277						
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aaaaaaaaaa	aaanaaaaaa	cttga				1225

<210> 278
 <211> 1324
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1241)..(1241)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1288)..(1288)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1323)..(1323)
 <223> n equals a,t,g, or c

<400> 278						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaagggcggc	nactatagag	gatccctcga	1260
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ccnt						1324

<210> 279
 <211> 1500
 <212> DNA
 <213> Homo sapiens

<400> 279						
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cttaaccgtc	gtttttaaat	atgatcgtcc	catcttgatg	tgctgctcct	gctgtggaag	600
gtatccctgg	gttttaggca	agcatatgtg	ttctttacta	tggtccaga	tcccagcata	660
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<210> 280
 <211> 776
 <212> DNA
 <213> Homo sapiens

<400> 280						
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acccaccag	gtacttttg	ctcttttttag	aaatggaatc	atacagtctg	tactcttttg	240
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ggccagaagt	ttgctaccag	cctgaccaac	atggttgaaa	ccccatctct	actaaaaggt	600
acaaaaaaat	agctgggtgt	ggtggttgat	gcctgtaatc	ccagctactc	aggtggctga	660
ggcaggagaa	tcacttgaac	ccgggaggca	gagattgcac	tgagccaaga	ttgtgccact	720

gtacttcagc ctggatgaca gagtaacact gtatctcaaa aaaaaaaaaa aaaaaa 776

<210> 281
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 281
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 gggcactgct ggggcctgat ggctgaagga gacgccggca tcctcggggg cctggggaag 480
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 aaa 543

<210> 282
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 282
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 tgccactgca ctccagcctg ggtggccatt gaattctgcg tggatgcct cagtttgcct 180
 tgtcagccaa ctccactgg ctgccttggc actgccatga cagcacagct ccacaccaga 240
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 ggtatccttc ctagccctcc acacacttcc aaaccagggc tgcggatctg atggatgcca 360
 ggaagacagc cttgggctga gagtgcacac actgcaagag ttgagagcca gcgtctaaag 420
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 ctgtttctat ttgcttttgt ttgtttttga tttttctgtt ttaaaatttt aaggagagat 540
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 cttggcctcc caaagtgtct ggattatagg tgtgagccac cgcattccagc ccacattggt 660
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 aaaaaaaaa 728

<210> 283
 <211> 2301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (250)..(250)

<223> n equals a,t,g, or c

<400> 283
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gtccagcaac tcaggatccc agcccgggtc tcaccctggg tctcaragtg gctccgggga 180
acgcttcaaa gtgagatcat catccaagtc tgaaggctct ccattctcagc gcctggnaaa 240
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gaagtggatc tgaccgcact ggccaaagag cttcgagcag tggagatgt acggccacct 360
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gacgatgtgg agcaggaagg ggctgacgag tccacctcag gaccagagga caccagagca 480
gcgtcatctc tgaatttgag caatggtgaa acggaatctg tgaaaaccat gattgtccat 540
gaygatgtag aaagtgcacc ggccatgacc ccattccaagg agggcactct aatcgtcgc 600
cagagtacag ttgaccaaaa gcgtgccagc catcatgaga gcaatggctt tgccggctgc 660
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tcctccccat cctccagcca gccgacaccc accatgtccc cacagacacc ccaggacaag 780
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ctccccctct tcctgttctt cttatatacc agtttatccc cattcttttt ttttttctta 2220
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aaaaaaaaaa aaaaaaaaaa a 2301

<210> 284

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 284

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gcctcatctt ccttcatctc ctctcatggt cacttctctt tgcctggacc aatggggaaa 120
aaagtgcaca gaatgagatt atgtgactac agcaattctg agtttagctt gattgctctg 180
cagtaaaatt aaggggacat atcttttctca tgcacatgat atatagtttc aaatatagat 240
ctgtacatac gtgatgatga aaagtcttct aggaagagga tgtatcagag agtgatgaatt 300
gaggccagtc ttctgtttcc tcccaaactc ttaacagatt gcatactctc atgcaaatct 360
tttcatgtat tccttgtata ctacctatag aaagggtggg cttgggaggg tcaattacaa 420
ctcctgtgat cttattttct cctccagggg ctccttgaat agagttttcc cccattttac 480

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gatgtgctta	aacacccgcg	ggtacacagc	agaccaaaga	atgatctagc	cccagatgcc	660
agtagtgctg	argttggaaa	actcttaag	tagtaaatat	acaactgata	ggaaaaacat	720
gaagtttcaa	taattaaaaa	gctttgcacg	aaagtttatt	acagggctgg	gcatggtggc	780
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aatttgagac	ctgtgttggc	aacatagtg	gaccccatct	ctaatatata	tatatctggg	900
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gagtccagga	ggttgaggct	gcagtgagcc	atgattgcat	cactgtactc	cagcctgggc	1020
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<210> 285
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 285						60
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attcgaattg	caccagtttt	tccattaatg	tccttttgct	gttctaggac	agcatattga	180
gtttagtgc	acttgccttt	atgcctttat	ttaatgccct	tgaattctca	tctgttatta	240
gtgagtctct	tatttatctc	tttgttttga	gcttccttct	ctgctgttgg	tatgttgctt	300
taatggagag	ggttgcacaa	ccttcatttt	tttttttgag	acagcctggg	caacagaggg	349
agacttcac	tcaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaactcgag		

<210> 286
 <211> 1019
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> n equals a,t,g, or c

<400> 286						60
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cttgccagtt	ttcctagcac	catttattga	atagggtgtc	ctttccccc	tgatgtttt	180
tgtatgcttt	gtcaaagatc	agttggctat	aagtatttgg	ctttatttct	gggttgctcg	240
ttctgttcca	ttggtctatg	tacctgttgt	tatactagcc	ccatgctatt	ttggtaacta	300
tagcattgta	gtatatattt	aagttgaata	atgtgatgcc	cccagatttg	tyctttttgc	360
ttagtactgc	tttggctatt	tgggtctttt	tttggtgcca	tatggatttt	aggattgttt	420
ctgattgaca	aaggatattt	gatgggagtt	ctgtgaagag	tgatgggtgt	atcttgataa	480
gaactgcatt	gaatctgtag	cttgcttttag	gcagtatgg	cattttcaca	atattgattc	540
tacccatcca	tgagcatggg	atatgtttcc	atttgttkgt	gtcatctatg	attttttca	600
atagtgtttt	atagtttttc	ttgtagagct	attttacctc	cttgggttaag	tataaccata	660
agtattttat	tttatttttt	ttgcagctgt	tataaaagga	atggaattgt	tgatttgatt	720
cttagccttg	cogttgttgg	tgtatagcag	tgctactgat	ttgtgtacat	tgattttcta	780
tctggagaat	ttactgaatt	catttattag	atctaagagc	tttttggatg	agtctttaga	840
gttttctagg	taaatgggtca	tatcattgg	ggacagtgc	agtttgacct	ccttttttcc	900
aatttgatg	ccctttcttt	tctgtctgat	tgtgtgggt	aggacttcca	ttactatgtt	960
gaatagaagt	ggtgaaagt	ggtaaccttg	tcttgttcca	gttttcagg	gcgtaggcaa	1019
agaattcatg	actaagaacc	caaaagcaaa	tgcaacaaaa	aaaaaaaaaa	aaaactcga	

<210> 287
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n equals a,t,g, or c

<400> 287
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 gaattgtgag cggataacaa tttcacacag gaancagcta tgaccagat tacgccaaag 120
 ctcgaaatta accctcacta aagggaacaa aagctggagc tccaccgagg tggcggccag 180
 ctctagaact agtggatccc ccgggctgca ggaattcggc acgagctact aataattatt 240
 acatttttgac taccacaact caacggctac atagaaaaat ccaccctta cgagtgcggc 300
 ttcgacccta tatccccgc ccgcgtccct ttctccataa aattcttctt agtagctatt 360
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 acaactaacc tgccactaat agttatgtca tccctcttat taatcatcat cctagcccta 480
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 aakggggggg tttta 554

<210> 288
 <211> 1287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1287)..(1287)
 <223> n equals a,t,g, or c

<400> 288
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 gattcctctg gattatgaaa cagaaaagca ccgaggattt gcttttggtg aatttgagtt 180
 ggcagaggat gctgcagcag ctatcgacaa catgattgaa tctgagcttt ttggacgtac 240
 aattcgtgtc aatttggcca aaccaatgag aattaaggaa ggctcttcca ggccagtttg 300
 gtcagatgat gactgggtga agaagttttc tgggaagacg cttgaagaga ataaagagga 360
 agaaggggtca gagcctccca aagcagagac ccaggaggga gagccattg ctaaaaaggc 420
 ccgctcaaat cctcaggtgt acatggacat caagattggg aacaagccgg ctggccgcat 480
 ccagatgctc ctgcgttctg atgtcgtgcc catgacagca gagaatttcc gctgcctgtg 540
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<210> 289
 <211> 1273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (338)..(338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (820)..(820)
 <223> n equals a,t,g, or c

<400> 289						
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gatgtccctg	gcacccagta	tggtcttggt	gtctccattg	atgatgcagg	gatgtgtgga	180
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<210> 290
 <211> 762
 <212> DNA

<213> Homo sapiens

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<400> 290
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gcagtctggc tctttctccc ctccctcccc acccaagcct cacctcccca ccccttgaac      180
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<210> 291

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1452)..(1453)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1460)..(1460)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1463)..(1463)

<223> n equals a,t,g, or c

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aattaagtac ctgtcaaata twgcattgag gttgcagttg aataagataa aagcttagga      180
tgtcaaaaaa taatatagag aaatattata agattttatg attattcttg amgtttttga      240
tgcaaaaagg aaatatgctg aatagtctct ccaaaaaata ttatttccct caataattta      300
tttgtagcca tgtaatttaa agagaacaga aaataactgc atcaaaagt atggtttaat      360
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actgaattgc ccaagtgcct gaacatggca gaggtagtta ctcytatatt gcagtttgtg      1020
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cctcccaagg aattaaaata tctgtagaag ccatggcctg cttttataat gtggaaatca      1140
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ctaataatgt	atactttgcc	taggtctttc	caaaattaaa	tttatgtaaa	tgtctatttt	1380
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<210> 292
 <211> 655
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (100)..(100)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (142)..(142)
 <223> n equals a,t,g, or c

<400> 292						
ctgaaaacgg	ccagtnagcn	caacgcaatt	aatgtgagta	gctcactcat	taggcacccc	60
aggttttaca	ctttatgctt	ccggctcgtg	tggtgtgtgn	aattgtgagc	ggataccaat	120
ttcacacagg	aaccagctat	gnccatgatt	acgccaagct	cgaaattaac	cctcactaaa	180
gggaacaaaa	gctggagctc	caccgcggtg	gcggccgctc	tagaactagt	ggatcccccg	240
ggctgcagga	attcggcacg	agggattggt	tttgaacatc	acaaatttgt	tcttggatag	300
aattttatag	attgcttttc	atcatatatt	tgctcagtta	ctctaagaag	caaggaactg	360
atcactagtt	gggaatctat	atgggcctaa	acttgagtgt	attgattta	tattacatct	420
actaccaaca	ttttcttaag	catagccttc	taaatttttt	caggagatta	gaataaagg	480
atacatgcta	ctcggctctc	tggttaattct	agtataaac	ctttggatga	gacaggtcct	540
aatcagcact	gaattcttca	ataggaggct	gtgttacagg	agctacagat	ttttccctgg	600
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<210> 293
 <211> 1286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1232)..(1232)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1241)..(1241)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1263)..(1263)
 <223> n equals a,t,g, or c

<400> 293
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 ctgaaaattht gaaacagacc attctaacac ccaaggcttg ttataaaaat acttgagaat 102
 tacattaatg tggaatcaac agatgcagaa gaataataca taacttttaa aagctttcat 180
 aaataccagc agcaattgta agcaaatcta caaaggttct tgaacctttc tattatatac 240
 aaaactgaaa agtcattaag gagttcaact aatcaggaat taaatgggtca tttattttcat 300
 gcagtatgat ttaagggtatt tcttgagatt ctgggtcaaat gtcataatca gcaaacggga 360
 ttaaaaaaaa aactccaaaa tcaactaaata attatctaaa taatgggtatt ggagaacttg 420
 tttcctgcta tttggaagag attgttgctt catttgctagt ttgtattttct aacttctaca 480
 gttatagact ccactgtgct ttgtgtctga atttctcagt atagacattt tgtttactgt 540
 atgcttgcat atttattttt aactttggyt gtctttaaaa ttgcttgagg aaaaatgggt 600
 gtaattaatt tctgctacag aaaagccacc tggtagcttt tgtctcatca ggattgtttt 660
 aaattctaaa ctataagttt gttcagaggg gctttttgcaa tgatagcaga aaactgtaca 720
 aatgtacagt tagttataga gggtcttggt gaaatgaact taccatctga tgatatgtat 780
 gtacagctgt gtacttgagt cttttttagt ttacttagaa agactagcag tttgacctgt 840
 taaacaggac tagttcaagt caagaaacta aggttggtgt atacacctgg aggcattctgt 900
 tattcagctt atcctttgag tgggtatttg gcacaatgag gataaaactta tgtgtccac 960
 ttgaatggct gatctaataa tgttgacatt atgcattctg tacttagtga aatgtcagat 1020
 gaaaataact gatgaataat ttttttgtat taaagggatg ggaaaagaac acatgaattt 1080
 gttaataaag cactatgatc tgcaaacgat ggaatgtttc ataaagatct aaagaaataa 1140
 aggaaacttt aaaacaamaa aaaaaaaaaa aacycgaggg gggggccggg acccaattcg 1200
 ccctatagtg agtcgtatta caattcactg gncgtcgttt nacaacgtcg tgactgggaa 1260
 aancctggcg ttaccaact taatcg 1286

<210> 294
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (57)..(58)
 <223> n equals a,t,g, or c

<400> 294
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 atacaaaaaa attagctgag attacaggtg tgagccacca cccccagcgg tcccaatcca 120
 tttttagttg ctaattggat tgaggagatc agacccaac aatggaaaag gcagactctc 180
 tagaggaaaa tactatcaat catcttaagt ctcttttggt cttgttaaca cagttggcat 240

acagtcaaac	gttatatgaa	atgcagagaa	actggaagat	tactgataat	caagggaaca	300
aataggtaat	aggagcaaac	tcagatgata	cacatgttgc	agttagtagt	caaggatttt	360
aacataagta	ttataaatgt	cttgaaaaaa	agaaaaatga	acagatagaa	aatttttgaca	420
gagaattgga	gtctataatt	aaaaggaatc	aaatagatat	tctagaactg	aaaaatatat	480
ttgaaattaa	cattggatgg	gcttaacagc	aggctgaaca	ctgaattagt	gaactaatga	540
gaagacagaa	ttagtgaact	tgaaaaaaga	tcagtagaaa	atattcaaac	tgaagcacag	600
agaaaaaaaa	aaaaaaaaaa	ctcgta				626

<210> 295
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (673)..(673)
 <223> n equals a,t,g, or c

<400> 295						60
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tgcatttata	tgtatacatc	attcgtattc	gtgaccctaa	taatgatacc	cagtcagctc	180
acaccagcaa	gaaaaagtat	ttttcaagcc	ctctggaagc	attggaagct	ccaagtgagc	240
ataagtga	ataccctaag	agatacttcc	aggttctaga	tccaggtgtt	tcattttccc	300
cttgttttcc	cactacattg	tcatctctcc	aaccttatt	ttagttttgt	ttttttcatg	360
gaagaccaga	aagccccctt	ccccaaagt	ttaaaatctg	gggtgaaggc	aactgacctc	420
attgcatact	ttggcaattc	aaagttataa	aatggttagc	gggcacggtg	gttcacgcct	480
gtaatcccaa	cactttggga	ggccaaggcg	ggcggatcac	ttgaggtcag	gagtcgcgaca	540
ccagccggrc	caacatggtg	aaaccccatc	tctactaaaa	atacgraaat	taatcaggkg	600
agatggcgca	cacctataat	cccagctamt	tgggaggctg	aggcatgaga	atcgcttgaa	660
cccaggaggc	agaggttgca	gtgagtgagc	agagatcggt	ccactgccct	ccagcctggg	720
tgacagagca	agnctgtctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaactcga	721
g						

<210> 296
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 296						60
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tcaaggtcac	ataatatgtg	tgactctcat	aaagactgtc	aagccaaagc	atgcttttaa	180
cctccatgcc	ttaaatctga	aacaccgtta	gttgacatct	ctcactgaaa	ataatcacaa	240
catcgacttc	ttagaaagat	aagatacatt	tgtcttttct	gaatatatga	tttgcttttg	300
ctgtttttgtg	gagatgttcc	ttgttctttg	atgtgtctt	ctcatgtgtg	tctctgtact	360
cacattgcta	gctgtgcggt	ctttgtctcc	cttcctctca	tgccagctag	tggcatgatg	420
gagagactgt	ggtctagact	gaggattatg	acagcataca	aaactgactc	aacacttaca	480
ggtaaataaa	atgagcagtg	gtttccttta	tttatttctg	ttatccacta	catagattcc	540
atgtggattt	aagaaactca	aattcaagta	gaaatatcta	ttaatagcta	ttaaccaatc	600
atgcatctca	tgtcttagga	gattctatcc	tgtagataaa	atgaggaaat	cattttattga	660
ctgccttttt	gggaaataac	tctatggtct	ctagaagaca	tcttcgttta	cttcaagtgc	720
catggctttg	agtttcattc	aggaagtgg	tccaaaaat	gagaatgtgt	ttattctttt	780
aagatatgta	aattgtttat	atcaatatca	acttatcctt	tttgggagag	aaatacataa	840
gtagtacttc	actttcatta	gttatttaac	attcaaaaatc	tctcaagtca	tttaaccagg	900
tgcaatggct	catgcctata	atcccagcac	tttaggaggc	tgaggcagga	ggattgtgtg	960
ggcccaggag	tacgagacca	tcctaggcac	acagtgaagc	ctcaatctct	acaaaawaaa	1020
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gtat						

<210> 297
 <211> 1445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1017)..(1017)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1441)..(1441)
 <223> n equals a,t,g, or c

<400> 297
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 ccctccgacg ctccgtcgcc tgacagaatc gcggcggttct tcgtaccgcc catcctccgc 180
 ggacgccccg tgccatggcg actctgctgc gccctgtcct ccgtcggctc tgcgggctcc 240
 cgggcctaca gcggcctgcg gcagaaatgc ccctccgggc taggagcgac ggcgccggcc 300
 cgctatactc gcaccacctc cccacctccc cgctgcagaa agcgtgttg gccgccggct 360
 ccgcggcgat ggcgtcttat aaccctacc gccacgacat ggtcgcagtt ctaggggaga 420
 ccacaggaca ccgcaccctg aaggtcctca gggaccagat gggagggat ccagaggggtg 480
 cccagatcct gcaggagcgt ccccgattt cgacatccac cctcgacctg ggcaagctcc 540
 agagcttgcg ggaaggctcc ctcggtcgcg agtatctccg tttcctggat gtgaacaggg 600
 tctccccaga cacccgagca cccaccgct tcgtggatga tgaggagcta gcgtatgtra 660
 ttcagcggta ccgggaggtg cacgacatgc ttcacaccct gctggggatg cccaccaaca 720
 tcctggggga gatcgtggtg aaatggtttg aggctgtcca gactggcctg cccatgtgca 780
 toctgggtgc attctttgga ccgatccgac ttggcgctca gagcctgcaa gtgctgggtc 840
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 tctttgaaca ctgaccttg gacaacattt atcataattt gtcataacca ctgctgagtg 1140
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 agctacccaa ggagaaccat gcatgaacag tatcagtcgt ctgggctcat gctgggatgt 1260
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 gtcctcacag gagtgagggc tacacccaat tccaaaagcc tgagaagaga gaagtggagg 1380
 gggaggcgag tgtgtgaata aaggctccca tcaggtcaaa aaaaaaaaaa aaaaaaaaaa 1440
 naaaa 1445

<210> 298
 <211> 1633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1599)..(1599)
 <223> n equals a,t,g, or c

<400> 298
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 catgaagtag tatcaaagtt taccæaagt ttgtattgag agaagaacaa acaatatatg 120
 ctaatatgaa aaacagctct acttagaaag ctactgcttg ggttttctta ttaggcatag 180

ttctccagac	tgagttgggt	ttactcatct	acatgatttt	tccttgccct	atggaacaga	240
aattcaggcc	cactcgaatt	cagttatttt	agggctcttt	aaaatccagt	atttggatt	300
taaatgatgc	ggagggactt	tcattacctg	tgtctttgct	tatttctctc	tgccctcag	360
aacaccccac	cctgaccttt	aggggaaatt	gacagaggca	gagggtttca	cctgcctcaa	420
ttgtcaccag	ccctgttaca	ttcttccttc	caagccttag	cctcacaggg	accttctcat	480
tattgaacaa	wtgccttcaa	agcagtagaa	tagcccaatt	gttatggaga	ttaaagatac	540
cgattgcaaa	actcctgtaa	ataaaatctt	cactgacaaa	cccagtttct	tttcataggc	600
ttttcttctg	taatctcttt	ctggcagaac	atctcatggt	ttgatgttag	agattcagtt	660
accaaccaca	gtaaataaag	caaaataata	atagaaaaat	agtatagaact	caccctaaa	720
aacaaacatt	ggccaaccat	gtttattttt	tgtctctctt	tgcaactcctg	agaattgata	780
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ttttaagaaa	aaatagaaca	atggcactaa	atgcttgact	gaatgtttga	ctaaatgttg	960
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gaactttctc	aatagggttt	caagattttg	aaaagtgtct	tccaatctg	atctccgtag	1140
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tgggaggctg	aggcaggaga	atcgcttgaa	cctgggaggc	agaggttgca	gtgagccgag	1560
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<210> 299

<211> 1889

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1859)..(1859)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1864)..(1864)

<223> n equals a,t,g, or c

<400> 299

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gatcaagatg	acttgatttt	ttttccttct	taacaatgtc	ttttttat	aaaccaaagg	180
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tgactactct	gaaatggaac	ctagcattat	atccttgtag	ggtagattat	aaatcatttc	420
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attgttcact	tgtaagaaa	agtaaatcct	taaaaaaaa	aaaaaaata	ccaatttttc	1800
ttaataccca	gaagggattt	tactcaatat	ttccctaggt	aaggaaaggg	ggggttatnt	1860
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<210> 300

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (294)..(294)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1336)..(1336)

<223> n equals a,t,g, or c

<400> 300

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attttaatga	aagttgaaat	tcaaatgcct	gagactgccc	catactgtga	gggtcttatt	180
agccttgtyt	ttggaaggag	acttactgtc	tctcttccta	aattttaaatg	gcttgttttc	240
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taagggtctc	aggatactca	gaggcatagc	agacttgggc	ccagagcaca	gggtagggca	1020
aaacttttct	gttaagggtc	acttagtaaa	tattttaagc	tttgcaggtc	ctatgggtctc	1080
tgacattact	actcaactgt	cccatggtaa	gataaaagtc	acagacaata	tgtaaacaaa	1140
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ggctagagag	cagtggcgtg	atcttggtc	actgcaactt	ccgcctccca	agttaagcga	1260
ttctcctgta	gtcccagcta	ctcaggaggc	tgaggcagga	aaacagcttga	accagggggg	1320
tcagagggtg	cagtnacta	cggtgcactc	cagcctggca	acagagttag	actccatctc	1380

aagaaaaaaaa aaaaaaaaaa ctcgta

1406

<210> 301

<211> 1282

<212> DNA

<213> Homo sapiens

<400> 301

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agagcctttg	ccacagtgtc	cccaccagcc	cccacctcat	ccgtctgttt	gcagagcctc	180
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gcttagtcta	cattgggcgg	aagtctgtgt	gcacagagtg	ggtgttcctt	cgagccccct	300
ccactcagag	ggccacaccc	agcgatgcca	gtgaagggtg	cacagcctct	cttcagtttc	360
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<210> 302

<211> 1053

<212> DNA

<213> Homo sapiens

<400> 302

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<210> 303

<211> 1238
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n equals a,t,g, or c

<400> 303

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<210> 304
 <211> 1954
 <212> DNA
 <213> Homo sapiens

<400> 304

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<210> 305
 <211> 874
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n equals a,t,g, or c

<400> 305						
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ccatacctga	taagccacgg	catatccaga	tgaactagc	cagactggaa	tttgagtctt	180
tggaggcact	caagcagcag	caaatgaagc	tcttgaccga	gaacctgaag	gaggaaccaa	240
tggaaagcgg	gaaggagaag	gaacctgag	tgcccagcgt	gcccagctgc	cctgttgcca	300
gaggcctgtg	tctgtgccac	acctgccacg	gtggcagggg	ggtaccgggg	cagcatcgtg	360
gctcctgaac	ccagacccaa	tgcttagcca	aacgaatggc	tcccatgtgg	caagcacctt	420
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aaaaaaaaaa	aaaaaaaaaa	aaaagggcgg	ccgc			874

<210> 306
 <211> 2206
 <212> DNA
 <213> Homo sapiens

<400> 306						
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ccaaactggc	ttgtctgtaa	tagaagtga	tagctttgtg	tcttccagat	gggtaccaca	180
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agaaagtatg	ggaaaatttg	aggaggttgt	taagtctgca	agacacatga	atattccagc	420
acgaggggat	gtgtcttgtg	ctctgggctg	tccatatgaa	ggaagtatta	caccgcaaaa	480
agtgcacaga	gtgtctaaga	aattgtacgg	catgggttgt	tatgagatct	ctctaggaga	540

cacaattgga	gtgggaactc	caggaagtat	gaaaagaatg	ttggaaagtg	tgatgaaaga	600
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tttgaatata	aattgaaaca	taaaaatgag	tattgtgaac	tttctcgga	atattcatta	2160
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<210> 307

<211> 956

<212> DNA

<213> Homo sapiens

<400> 307

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cagtgcgcta	aacctatggt	aacacttca	atagaactac	cctagaattt	agtgaagtgtg	180
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<210> 308

<211> 2174

<212> DNA

<213> Homo sapiens

<400> 308

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<210> 309

<211> 1743

<212> DNA

<213> Homo sapiens

<400> 309

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aaggtcatcc	gcctcagtga	ctgcctgcgg	gtggccgagg	ccggcggaga	ggccagcagc	300
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aaa						1743

<210> 310
 <211> 1623
 <212> DNA
 <213> Homo sapiens

<400> 310						
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ggatggatcc	ctcccgactg	cgatgactcc	tcagthgtct	tccgtagtaa	cattacacat	180
ctaacctgag	aaaattgctc	tcctcttcca	agcctthatt	thgtattata	tgagattthca	240
ctgctthctt	tctctgthct	tgaaattthct	gthctgthga	thgtaatcca	caatatttht	300
cccccaaatc	tccttaatac	ctthtaatta	tattthccgt	gtctthcatt	tcactgcaca	360
tgcaaaaaaa	thtctcaaac	ctthtatatt	gtaøcttat	thtaattthca	caaattthct	420
tactthtagga	ctcttccatt	thcatagcag	cctcaagtta	atggaaaaat	gtaatatcct	480
caaaactctc	taagaatatg	acctattatt	thgtatgthc	agthctattc	thtgaattat	540
ctgththctt	tgagthggth	thtctgthtg	tcaccacgth	actthgattc	thgtgtacta	600
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thattththth	tagthgøccta	thøttthatt	atatacacat	gtattthgtca	thgtattthga	1260
aaggggcatg	aacataatca	actgththta	thagaaact	ctthaatggth	thcaatgctc	1320
actaaaaatc	ctthttaaact	atgactthct	thactgctth	attthgacat	atctattgat	1380
thgctaagth	acctctatga	ctaattthct	cctggthgta	caatgcatcc	acaøaaact	1440
thctaagthg	tacttatgag	aatgtattth	thgtgøcaaa	tattthttaat	attthcaatta	1500
atattctata	thcatagcatg	catagcaggt	thgattgaat	thgattthth	aaatcataat	1560
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aaa						1623

<210> 311
 <211> 825
 <212> DNA

<213> Homo sapiens

```
<400> 311
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atgacgagaa caagttcgtg gacgaagaag atgggggcga cggccaggcc gggcccgacg      180
aggggtaggt gggactcctg cctgcggcaa tgatccttgc attcaccgcc ctccccaccc      240
cagcccagcc cagcccggcc ttctcctggg gacccgggag cctgcaggat ccgcggggca      300
ccggcgcgga gctgccctct caacctgcgg cttaacctgt ctctttggga tcgcccgcctc      360
tgaaaaggca agggggaatc ccccgtttcc taccagtcg gcaggaaacg cgaaggtccc      420
actcttgaa acctgccctc ccccgcgcg cttccacgcc cccagattcc tcaggttgga      480
cccgaatgcc tgcctgcctc gggaactggt cccgcgggcc gcgccctcg ggcgctttgg      540
ggaagcggtc ccttgctggt gggaaggct ggtgccgaac gccttagttt ttcttcctag      600
aactctgatt tcctggggtc acattagctc cagaaatttc tgattgtggg gaacctgcat      660
ctttccttag tggttttgtt ttttgtttgt ttttgtttat tggtagcggt aacgtagttt      720
attccttacc gggggcgggg gggagatggg actgttcgaa aattgagggt ccctgtgctt      780
tcagccatt ggccttttta aaaaaaaaaa aaaaaaaaaa aaaaaa      825
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<210> 312

<211> 1662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (382)..(382)

<223> n equals a,t,g, or c

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<400> 312
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agtacgtctt ggctgtcggc agctccgtct tctatgcat gttctacgga gacctggcgg      120
aagtcaaatc tgaaattcac attccagacg tggagcccgc agcctttctg atcctcttaa      180
agtacatgta cagtgatgag atcgatctgg aagccgacac ggtgctggcc actctgtacg      240
ctgctaagaa gtacatcgtc ccagcattgg caaaagcctg tgtcaacttt ctggagacaa      300
gtttggaagc caagaacgcc tgcttcctgc tgtcccagag ccggtgtttt gaggagcccg      360
agctgacgca gcgctgctgg gnaggtcatt gacgcacagg ccgagatggc cctacgggtcc      420
gaagcttctg tgagatagac cggcagacgc tggagatcat tgtcactcgg gaggccctca      480
acaccaaaga ggcgtgggtc ttcgaggccg tctgaactg ggccgaggcg gaggtgcaaga      540
ggcaggggct gccaatyacc ccacgaaaca agaggcatgt tctggggcga gccctctatc      600
tggctccgaat tccaaccatg accctagagg agtttgccaa cggsgctgcc cagtcagaca      660
tcctgactct ggaggagacc cacagcatct tcctgtggtg cacggccacc aacaagcccc      720
gcctggactt tcccctgacc aagagggaag gcctcgcccc gcagaggtgc caccgattcc      780
agtcttctgc ctaccgcagc aaccagtggc ggtacgcgg gcgctgcgac agcatccagt      840
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gctacttttg gcaggagggg atgacggaag tgcagtgtgg aaagggtggc ttccagttcc      1140
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ttttctatgc ctgaggtgcc cggggagggt gcagcagggt agcgagttag tggaggggaa      1260
gtcaagatgc taactgcttc ttgacaccat gaaaggctgc tcttaacttt gtctctcttt      1320
gacatgtagt cagctgaagc ttgactgtgt agagacattt tccacacagc cagaaccag      1380
ggattggagt cttaggcatc tctggtacag tggggtgcac gtctcagggt gaggaagatt      1440
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ggttggtact tcctgtactc ctcttgatt ctaagtgtt ccaagcttaa cttgagacct      1560
tcccttcaaa tctaaaattg gcaaaaagtc acttaaaata gtggacttct gtaataaagg      1620
ttgcctaaaa taaaaaaaaa aaæaaaaaaa ctcgaggggg gg      1662
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<210> 313
 <211> 829
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n equals a,t,g, or c

```

<400> 313
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agtcacttca ccattctcag gatggaagtg gggatggagg tggcatcggc ctcatTTgaa    120
ccacatggac taagaggggc tatgggagta ttcccaaaag gaagactgag gggcgttact    180
agaaaatggg agaatggaag cagagtgggc aaaaccaaca gatgttcctt atagtaaata    240
aaaaatttgg acaattatta gtgagcaagt acttataaca tatatggcac atgggattgt    300
gactcaccag tgtgttagca caatatggtc aaaaacctct gatccaattc aacctactca    360
tcttaacgat tttatcagca tttataaagt ttgttttggc catcatgtgt tatagtTTtg    420
tttgtggttt tgacacctca ttagagggtt catcagtgtg aggagccaac ctaaggctc    480
ttctcacaag tttccaaga gagaaattgc ccctccaaat gtgaggagtc tcactttata    540
tagatagcat ccacacttct tgcagtggaa aacaaacctt ataaaatgta atacgtttgg    600
tttcctaact tttcatgac cctgggggtg tagaagggaag tgcaagtttt atcacttgga    660
tttagagaca aggaaattga aatggagaga gaattgggct cacatgcagg cagcatgtct    720
agctgcctcc atcgtgtgat ctgaggcacc ccatgaggcc tatgattact gtaaacctct    780
aaaataaata aaaaataaaa caataaaaaa aaaaaaaaaa aaactcgag    829
  
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<210> 314
 <211> 1247
 <212> DNA
 <213> Homo sapiens

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<400> 314
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ctaaacattt gaaaatatTT gaaataaaaa aattacctgt ttttaagtga caaaaattat    180
taatttataa gttacttagg aatgttctca ggtgcaagta acagatgaca caaacacagc    240
agattgaatc ggcgatggta caattttctc atgtaacata aatgcagcag ctgcatttgt    300
tgggtggctc agtggccttt tgggcttttc cttcatgggt gcaagatggc actactccaa    360
ctcaagcatc atgtttgtat tcaagacaga aggaaaggga gacggtttTg atcagtcact    420
ctgacccttt tatcagaatt gcataagtgc tcttagaagc agtctgcttc tccctaagat    480
ctttgctcag atgttattgg gcagagcttt tttgtgtgtg tagtgtctaa tggttgcaag    540
ggaggttggg aaaaatgatt cttttttttc tggcttttat agtggaaagca ggcaaaagat    600
tagttgggtg tagttgttgg gtttagccgg catcatgctc tgcccctaag tgctcagaat    660
actgaagact aaagatgcaa tgacaaacaa gatagtcctt attgtttttg tttgtttgtt    720
tgttttttTg ttttagatac agctataatt ttattacaaa actgttcttt tggcattagt    780
tagttacagt gatagcaaga taatgtgagt gtgcagactg gcttgatgg aaccactgta    840
ttccctgctt actgaaccaa acttcagcta cctcatatcc attacataca agtgacctgc    900
agttattact gctacaaatc ttgacgcgtg taccgctgag ggaggagctg atgctaaggg    960
atttgattac atgttgataa gactacaaaa gttcgtttat gggacttttt cttcctcttc    1020
ccatgcaatg actttgcttt agaacaatca catggcttag agctagtctg agtagcagca    1080
gcacccaagg agcgtcagtt cttgttaaaa agcaatacct gtgtgatgca tttttacgcc    1140
acaggcaaaag ggaaggatca ccctcatttt aaactcctgc agagtccttt aataaaatat    1200
caaagcattc caaaaaaaaaa aaaaaaaaaa aactcgagg gggggccc    1247
  
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<210> 315
 <211> 1282

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (907)..(907)
 <223> n equals a,t,g, or c

<400> 315
 ggcacgagcc ttaccctct gctggcaaga ggggacctga ttcctcctca cgctaaacac 60
 tcattctacc caactgattg agacagaaca gaagataaac tgaaacttct ctgccttccc 120
 gctgcaagag tgaatgagcg atccctctca actgactcaa aatgtttgcc tcacccagga 180
 gatggagctc tcgaaggcct tctctggcca gcggacactc ctatctgcc tctcagcat 240
 gctatcactc agcttctcca caacatccct gctagcaac tactggtttg tgggcacaca 300
 gaaggtgccc aagcccctgt gcgagaaagg tctggcagcc aagtgccttg acatgccagt 360
 gtccctggat ggagatacca acacatccac ccaggaggtg gtacaatata actgggagac 420
 tggggatgac cggttctcct tccggagctt ccggagtggt atgtggctat cctgtgagga 480
 aactgtggaa gaaccagggg agaggtgccc aagtttcatt gaacttacac caccagccaa 540
 gagagaaaat cctatggtta tccctgggaa cgcagatcac ctacatcgga cttcaattca 600
 tcagcttcct cctgtacta acagacttgc tactactgg gaacctgcc tgtgggctca 660
 aactgagcgc ctttgctgct gtttctctg tctgtcagg tctcctggg atgtggccca 720
 catgatgtat tcacaagtct tccaagcgac tgtcaayttg ggtccagaag actggagacc 780
 acatgttttg aattatggct gggccttcta catggcytgc tctcctcam ctgctgcatg 840
 gcgtcggctg tcaccamctt caacamgtac accaggatgg tgctggagtt caagtgcaag 900
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 gggatttcaa agaggggcca gcaggagct gaaagaagca gttaggatcat ctgtagagga 1140
 agagcagtgtagtaggttaa gcgggttttg ggagtaggct tgagccctac cttacacgtc 1200
 tgctgattat caacatgtgc ttaagccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaactc 1260
 gagggggggc ccggtaccca at 1282

<210> 316
 <211> 806
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (143)..(143)
 <223> n equals a,t,g, or c

<400> 316
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 cgccaagctc gaaattttacc ccttcactaa ggggaacaaa agctggagtt ccaccgcgtt 120
 ggcggccgct ctagaactag tgnatcccc gggctgcagg aattcggcac gagcggcacg 180
 agcgcaaagc catcgtggac aagtttggcg gggcagcttc cggccccacg gccttggtcc 240
 gcaacactaa ggcagccggg gcagccattg gtggtgtcaa gaacatgctc ttggagtggg 300
 gccgagccat gacaaaaaaa tacgagcatg tggacatcca gaacttctcc tccagctgga 360
 gcagtgggtat ggccttctgt gccctcatcc acaagttctt ccctgacgcc ttgactacg 420
 cagagctgga tcccgcaaag cgccggcaca acttcaccct ggcttctcc acagcagaga 480
 aactggctga ctgtgctcag ctgctggacg tggatgacat ggtgcggttg gctgtgcccg 540
 actccaagtg cgtctacaca tacatccagg aactgtaccg cagccttggt cagaaaggac 600
 tgggtgaagac caagaagaag tgaggagggt actggctctg tgggcagaga tgggcagggt 660
 gccagctca gcagccacgg cccgggggtt cccttctgct ccatggaggc accagagcca 720
 ggggcttagg caagggtgtg tggcgttggg tttaactgca ttaaaagtac ttttgtaaaa 780
 aaaaaaaaaa aaaaaaaaaa ctcgag 806

<210> 317
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 317
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 tcaactctct caatcccacc tttgttacgt tgaaatccct catttatatt cttctcaaaa 120
 tgccattat ccaaatgcag aacctctgca tctccaagcc agttatgctg aatttgtcaa 180
 acttagacac ccttgacaac tgcaactcta ctgtaggctc ctgtgcatac tgtcgtcttc 240
 tgtgggggat ggagagggtta gtgtgatgag gtggtgtctg cccaggagggt ttctttcaaa 300
 catcatggcc tcccatccaa tcaacatcat caaattacat gtgtaataca ggctctgtgc 360
 catgggggaa atgaatcatt tagctaggcc aggatcagt gaaagccaca gagtttaaaa 420
 ccatgaaaaga agttgaaggc agcatctctc agctctgtga cttgtgacct tatttgaagt 480
 ttcaggattt ggggtgcaca aaggattgtc cctaatacctt ggccctgggg tcttccgagt 540
 gagctggttt aatactctga gaatgagcag ggagatccag agaataatc cctgaccgca 600
 tcacctaaac tgtcttccaa acatgagaca aagctgactg ttcacactga ttgccagca 660
 cataccgtct tgccagtttc ttcttttctc ccagtctcct gttcatccat tctgttctcc 720
 ctgtgggttg gaatctatga tggagggttac tggggaacaa gctcagcaga tttttggaga 780
 ccaaaccaaa ggtctcacta ggaaatttat dgttttaaa acattgcttc cttcctggct 840
 ctgctaaatt gaatgctcat tgtttgttgt tgttgtttt taatttctaat gttcaaaatc 900
 ctgctgtctg tatgaatcta gaaagcctta atttactacc aagaaataaa gcaatatgtt 960
 cgtaaaaaaa aaaaaaaaaa a 981

<210> 318
 <211> 1523
 <212> DNA
 <213> Homo sapiens

<400> 318
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 tggccttgaa agaaaagcct gacttctctg tgacacatgt ggtaggggca tggcagctat 180
 gaggcacctc ctacgtctgt tttctggctg tggtagcttg ggatttttaa cttatatat 240
 ctttttctct tactcaaaac aaaacaattt ttagcacact gaaaaaaaaa aaaagccaaa 300
 tgttttgtgc ctttctaagg cagcactgta tcccaggctg catttttagga cttaatatgg 360

aaataaccaga	gtctgagctc	ctctaccttg	agtttcatta	gtccttagtg	tctaggagac	420
aggaaagaat	gctctctgtg	actggagagg	tgacatgcag	gtgcagtgtg	tctggagtcc	480
ctttcccctg	ctgtgagact	tcagtggagg	agagaagcat	tgtaccctgg	gatcatttgg	540
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atgtttcaca	attcccaggt	aaactctgga	ccattccaag	tgtcctagcc	ttctgatgac	660
attaattacc	tagttgtgtc	gaggagtata	ggatggactc	tcctgagaag	gggaggttgg	720
tggctttgtc	ttttcttttt	gctggatcct	gaactggtct	agacctcctg	ccccoaccc	780
ccagccccc	tcagatgtgg	ctggcctttc	atttgaaggc	ttcagactta	aagcattaag	840
cagctagtgc	cctctgcagg	gcctggtttc	cccaggggaa	ggcagcaagg	aacatgggac	900
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tgacatctta	cttatctttt	accctttcct	cagttttccc	ctgcctttta	ctaataaaga	1020
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tcattaatat	aaaaaattta	tattagcagt	atttaatcat	tctcacctgt	aaagaataag	1260
aaaaacagaa	ggtaaatatt	cttacagaga	atagcagagc	tttaagattc	attttcattt	1320
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<211> 2116

<212> DNA

<213> Homo sapiens

<400> 319

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 <212> DNA
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<211> 1444

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (758)..(758)

<223> n equals a,t,g, or c

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<222> (959)..(959)

<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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tagggcttca tatttaacat gtgaggaat gaaacacatg agcccagtg ctcttcagga     1260
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<210> 327
<211> 1260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1203)..(1203)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1235)..(1235)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1241)..(1241)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1246)..(1246)
<223> n equals a,t,g, or c

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<400> 327
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tggcgtgtta cccaggcaac gggctcgggt acgtaaggca cgttgacaat cccacggcg      180
atgggcgctg catcacctgt atctattacc tgaatcaaa ctgggacgtt aaggtgcatg      240
gcggcctgct gcagatcttc cctgagggcc ggcccgtggt agccaacatc gagccactct      300
ttgaccgggt gctcattttc tggctctgacc ggcggaaccc ccacgaggtg aagccagcct      360
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aagacaagta tcagctagca tcaggacaga aaggtgtcca agtacctgta tcacagccgc      480
ctacgcccac ctagtggcca gtcccagagc cgcattggcag acagcttaaa tgacttcagg      540
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aaaaaaaaaa aaaaaaaaaa aaggggcgcc gctcttagag gatccctcga gggggcccaa      1140
gctttacgcg tggcatgcga cgttcatagc tcttcttccc tttaaagttga attcgttatt      1200
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<210> 328
<211> 1915
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (490)..(490)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1899)..(1899)
<223> n equals a,t,g, or c

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<400> 328
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cctaattgtcc tatgatcacg tggaactcac attcaatgac atgaagaacg tgccagaagc      180
cttcaaaggg accaagaaag gcactgtcta ccttaccctt taccgggtat tctttctgtc      240
caagggcaag gatgccatgc agtccttcat gatgccattt tatctcatga aagactgtga      300
gatcaagcag ccggtatttg gtgcaaaacta catcaaggga acagtgaagg cggaagcggg      360
aggtggctgg gaaggctctg cttoctacaa gttgactttc acggcagggg ggcgcattga      420
gttcggacag cggatgctcc aggtggcatc tcaagcctcc agaggtgaag tccccagtgg      480
agcctatggn tactcttaca tgcccagcgg gscytatgtc tatccccgcg cagtcgcaa      540
tggaatgtac ccctgccctc ctggctaccc ctatccaccg cccccacctg agttctatcc      600
aggacccccc atgatggacg gggccatggg atacgtgcag cccaccac cgccctaccc      660
tgggcccattg gaacctccg tcagcggccc cgatgtcccc tccactcctg cagccgaagc      720
caaggccgca gaagcagccg ccagcgccta ttacaacca ggcaatcctc acaacgtcta      780
catgcccacg agccagccgc cgccacctcc ctactacca ccggaagata agaagacca      840
gtaggccctc ctgcctccct gcctcccacc ctcatctctc taccctaccc ctcccatcgg      900
ggctgtgctg gggcttgggg aggggagggg ggccttgtt ctccctccag gtctgatcat      960
aaacaattac caggaactag cattgtggga cattagggcc cccggcctcg ggagaggtgc      1020
cgcccagctt cccatgccag cccggagccc acagtgtgc ccagcgtacc tccctcaccg      1080

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tctggggctc	ttctgggagc	acggagcadc	ccctgttccct	gtttcactct	cagcttctcc	1140
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atattaatgt	gaaataaacc	ctgtttgac	ctcgatttgt	ttgctgaaaa	tgtgaaatag	1860
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<210> 329
 <211> 1070
 <212> DNA
 <213> Homo sapiens

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<210> 330
 <211> 1159
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (584)..(584)
 <223> n equals a,t,g, or c

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ccggagacaa	gccaggccct	gcagacccca	gagcggctgg	gaacagtgtc	tggaatgggg	240
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<210> 331
 <211> 1006
 <212> DNA
 <213> Homo sapiens

<400> 331						
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tatgttggtg	ttattgtttt	aaaagtcagt	tatctcttta	gttttctttc	agaaaaatta	180
aatgggtgagt	ttttttgttt	gtttgtttgt	ttgttttgca	tggcccatgt	atttaccatt	240
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<210> 332
 <211> 1160
 <212> DNA
 <213> Homo sapiens

<400> 332						
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<210> 333
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (161)..(161)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (364)..(364)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (408)..(408)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (440)..(440)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1210)..(1210)
 <223> n equals a,t,g, or c

<400> 333	
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gccatctcgc	cagtcagtca
gtantcccag	ctaaccctca
gcattgaata	agtcatttan
cattttatag	gcgagaaact
ggtttgaccc	atctcctggt
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<210> 334
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<400> 334						
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tatatcttga	tctcattggt	ggtaacacaa	gtataacat	atgaaaaagt	tagttttatc	1140
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<210> 335
 <211> 1652
 <212> DNA
 <213> Homo sapiens

<400> 335						
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cacagatttta	attctggcca	atgaatatga	gaagaaatga	gaagggtggaa	aggtgtctta	240
gtctactttt	tgctgctata	ataaaaaatac	catatctagg	ggtaaattat	aatgaagaga	300
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agcagaaatg	caaaatttgt	actacgttgt	gattaaagct	aaacgttgta	agtgccttagg	1560
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<210> 336
 <211> 1981
 <212> DNA
 <213> Homo sapiens

<400> 336						
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aatttgacca	caattttattg	agagcatatt	ctgtgtcaga	cattgcactc	tgactagat	240
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attatacatt	tgcattcaag	gtacctttaa	gcgatttttt	aaaaaaaaatt	ctgactctaa	1920
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a						1981

<210> 337

<211> 1594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1090)..(1090)
 <223> n equals a,t,g, or c

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tcttrtgwtg cagctgttgc tgatccctgt agagtaaagt acacactgaa ggctatggca      180
atgatctacc gttccagctt cctctaggaa gggagttaga caaataaaaat gctagtgaac      240
tgagacacag tgagcaaggg ggaggtggca tgagctgagg acacagtggg caggccagaa      300
cacacaggcc tggacatcac ctcaggaact tgcattgtat ttggagcata atggaaaacc      360
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ttacttaaga gtgaggctag aaagttagac tgtttctcac cttttataaa tgaagtttaa      1440
gatcagatta atctccatgg agtttttagc tcaaagcaca attagttttc tatagaaagg      1500
gcttgggctg aaccaaatta tgccattgat ctgctggta gacatacaa tcattctgtt      1560
cttagaaaaa aaaaaaaaaa aaaaaaaact cgag      1594
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<210> 338
 <211> 1640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1639)..(1639)
 <223> n equals a,t,g, or c

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tgagtccctg atctttcttc cttctgaaa tctttgactg tgggtagtta tttatttctg      180
aataagagcg tccacgcac atggacctcg cgggactgct gaagtctcag ttctgtgcc      240
acctggtctt ctgctacgtc tttattgcct cagggttaat catcaacacc attcagctct      300
tactctcct cctctggccc attaacaagc agctcttccg gaagatcaac tgcagactgt      360
cctattgcat ctcaagccgg ctccaaggct ctggccaaga aagagctggc ctatgtccca      420
attatcggct ggatgtggtg cttcaccagg atggtcttct gttcgcgcaa gtgggagcag      480
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gatcgcaaga	cggttgccac	cagtttgcag	cacctccggg	actaccccga	gaagtatttt	540
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gtggcccg	ccaaggggct	gcctcgccctc	aagcatcacc	tggtgccacg	aaccaaggg	660
ttcgccatca	ccgtgaggag	cttgagaaat	gtagtttcag	ctgtatatga	ctgtacactc	720
aatttcagaa	ataatgaaaa	tccaacactg	ctgggagtc	taaacggaaa	gaaataccat	780
gcagatttgt	atgttaggag	gatcccactg	gaagacatcc	ctgaagacga	tgacgagtgc	840
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<210> 339

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (501)..(501)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (763)..(763)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (767)..(767)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (772)..(772)

<223> n equals a,t,g, or c

<400> 339

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cctgccactc	agctgtattc	ctctgtagct	ctgggcagac	gactctgaac	ayggcttcat	300
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gacccatttg	atataaataa	cartgttgca	ggaaatttcc	tgaaggaact	gaaatgaacc	660
atagaaacga	gatcggttctt	ttcctaccac	acagctggga	ttagactgct	tagtttgtac	720
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<210> 340
 <211> 1860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (821)..(821)
 <223> n equals a,t,g, or c

<400> 340						
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aagtcagact	aatccttcaa	gtcttttgag	aaacaggtct	tctgcattag	ctgaggggca	180
ggagttcttg	gcttgccatg	tggtgtctga	gccatctctc	tctctctctc	tctctctctc	240
atctctcttt	ggccaggcgg	gagggaagac	ctatgccatg	gtgtccagcc	actcagctgg	300
tcattctctg	gcttcagaac	tggtggagtc	ccatgatgga	catgaggaga	tcattaaggt	360
aagcttagtt	cacctccaac	ttttctccct	gtcctcttcc	tcctgcacg	tatatgagaa	420
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ctaggggcct	atccactgac	catgttttgc	tgctaaaggt	tgtggagaca	ggtaggaggt	660
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cagatgagct	tacaagtatt	gaaataatta	ctaattaatc	acaaatgtga	agttatgcat	1800
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<210> 341
 <211> 2078
 <212> DNA
 <213> Homo sapiens

<400> 341						
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 <211> 1257
 <212> DNA
 <213> Homo sapiens

<400> 342						
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<210> 343
 <211> 1992
 <212> DNA
 <213> Homo sapiens

<400> 343						
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<210> 344
 <211> 1973
 <212> DNA
 <213> Homo sapiens

<400> 344						
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aattcttcta	agcagtggac	gagatgcctc	tcttatggta	accaatgatg	gtgccactat	300
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<210> 345
<211> 1921
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1876)..(1877)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1897)..(1897)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1916)..(1916)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1919)..(1919)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1921)..(1921)
<223> n equals a,t,g, or c

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<400> 345

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n						1921

<210> 346

<211> 1211

<212> DNA

<213> Homo sapiens

<400> 346

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gaagatgctt	tgcataattg	ctgcactgca	tcagtatctt	actaaaaatg	tgaaatgaaa	180
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aaaaaaaaa a 1211

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<210> 347
<211> 820
<212> DNA
<213> Homo sapiens

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<400> 347
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cggatcatac tgggggccaa tgccatttac tgccttgga cggttggtctt cttttactca 240
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aatgtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 820

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<210> 348
<211> 1441
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (269)..(269)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (420)..(421)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1439)..(1439)
<223> n equals a,t,g, or c

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<400> 348
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gaccgagacc tgggcccgtt cccactccat gaggtatttc tacaccgccc tgtcccggcc 180
cggccgcggg gagccccgct tcatcgagc gggctacgtg gacgacacsc agttcgtgm 240
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ngtgcgtgga gtggctccgc agatacctgg agaacgggaa ggagacgctg cagcgcgcgg 480
accccccaaa gacacacgtg acccaccacc cctctctga ccatgaggcc accctgaggt 540

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<210> 349
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 349						
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<210> 350
 <211> 1162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1144)..(1144)
 <223> n equals a,t,g, or c

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<211> 989

<212> DNA

<213> Homo sapiens

<400> 351

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<212> DNA

<213> Homo sapiens

<400> 352

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<211> 1187

<212> DNA

<213> Homo sapiens

<400> 353

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<210> 354

<211> 1652

<212> DNA

<213> Homo sapiens

<400> 354

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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3342

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<213> Homo sapiens

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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gtaaaaaaga tacagtaaag acataaatac cacatttgac aaatggaaa aaaggagtgt 240
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gagaatcaaa tagtttcctc ttatgcttct aaagtctgtt ttgagatcga rgaagattat 540
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<210> 360
<211> 1054
<212> DNA
<213> Homo sapiens

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<222> (89)..(89)
<223> n equals a,t,g, or c

<220>

<221> misc_feature
 <222> (149)..(149)
 <223> n equals a,t,g, or c

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gaccatgatt acgccaagct ctaatacgnc tcaactatagg gaaagctggg acgcctgcag      180
gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgag tgacactact gacttggctc      240
taccacctga aatgccgatt ttgattgatt tcatgctct gaaagacatc cttgggcccc      300
cgatgtatga aatggagggtg attcattctt tttatttctt tttgctccag tcaatgaaag      360
gaacacttta ttgaggcccc agggccgtag ggcctgggca ggaggctgcc ctttggggaa      420
ggaatagcct tattcgacct tctttttggg acgcagggtg ttggtgtggc cgcacttctt      480
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actccattct catttttttg ttggtactca ctggtgtact cagggtggtg cttaacagg      900
aagtaaaatt ggatgtttcc agaggctgaa ttttgcctta agatggaamc tttatttcta      960
aaaaaaaaaa aaaaaaaaaa aaaagggcgg ccgctctaga ggatccaagc ttacgtacgc     1020
gtgcatgcga agtcataact cgtctatagg aatg                                     1054
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<210> 361
 <211> 876
 <212> DNA
 <213> Homo sapiens

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<400> 361
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aactaaagca tttgtttatg agttgacttg agagaagggc tgatctcaga gccgctttg      180
gctaagttgg attagtcaca ctaggaagtt aattccacac ctttcgtcta agtctcagta      240
ttgaggcctc tccagttctc atgcaccctg atcttagggg tagaatactt gaccctgata      300
cctgcaccat gcttcaggtt tcctgagctc tttctcctgt ttcatttgag cctccaaact      360
acatatttgg tcatattgcc tgcctacccc atgcctgctg cagaaatatt catccagggt      420
aaccttgata tacacagaga tggctcttga gaattgtgaa tgtatgtact gtattgtcat      480
caaggatact gtcccttatt tgaaggcatc taaagagaaa ctgttttcag atccaagtgc      540
tcagatctaa agcctctgca acaagtcagg tgggtgtcat gtttcccttc tatgtttggc      600
tgacaggaag ctgagttcag taccataact acagaacctg tcatctgtat tttttgttct      660
caccctggtt ttgttatttt gtttctggtt ttttatattg aggtatgttt tagatatagt      720
ttacaaaaat aaaacgcaca gatttttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt      780
aaaaaaaaaa aaaaaaaaaa aaaaaagggcg gccgct                                     840
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<210> 362
 <211> 1827
 <212> DNA
 <213> Homo sapiens

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 <222> (601)..(601)
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<221> misc_feature
<222> (918)..(918)
<223> n equals a,t,g, or c

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<220>
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<222> (1825)..(1825)
<223> n equals a,t,g, or c

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attgtgggag tggggaataa acctcatctg gggatgggaa ataaacacca ctataaagaa      180
accactaaga ttggaatgcc ttgcttggtt taagtttggt gatgcaggta ttgcattgat      240
tatgcatcag ggaactggaa accaaggcat tcgttcctt aagaaaatag attcttaagc      300
ataggagtct catgttttaa gaactatttc taagttcaac taagatcgag ttttctgtc      360
tctattggca aktwtiaaga ggcataaact ttaaagaaaa agggaaaatg tgataaatta      420
atggaataga ctccataggc ttttattcca acttttatat gatgcaagtc tatgtgcttc      480
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ngttgtcac cagwaaataa ttgcctgagc tgagaatggc atgtgggtca cagaattggt      660
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aaaaaaaaaa aaaaaaaaaa ctcgnag      1827

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<210> 363
<211> 3303
<212> DNA
<213> Homo sapiens

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<222> (2355)..(2355)
<223> n equals a,t,g, or c

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agctgccag ttgactgcag acctgttagc tttatacgtc tacgaaatt tactgcacgt      180
aggagcacag aaatctgcac agaccttctt atcggagatt cgatgggaaa aaaacatcac      240

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<211> 1948

<212> DNA

<213> Homo sapiens

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gcatttgggg cttaaaacct agatgacggg ttgaagggtg caacaaacca ccgtgataca      1860
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<210> 365
<211> 2731
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1532)..(1532)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (2362)..(2362)
<223> n equals a,t,g, or c

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<400> 365

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<210> 366
 <211> 1008
 <212> DNA
 <213> Homo sapiens

<400> 366						
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agctctgggt	tatacgaagg	cagtatccta	agtgagagt	cttcccttag	gatgaaaaga	660
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gagaatcgct	tgagcccagg	agtttaaggc	tgagcaagc	ggtaatcatg	ccactgcact	960
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<210> 367
 <211> 2085
 <212> DNA
 <213> Homo sapiens

<400> 367						
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aatcctcttg	tagggatcac	atctttcttt	atgatattgt	atctctctac	ctctaacagt	180
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ctctgtttta	tattttctct	cattcttgta	ttgcctttta	aattttgtta	tgatgtttca	2040
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<210> 368

<211> 1497
 <212> DNA
 <213> Homo sapiens

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<400> 368
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agcttatgta agcccacaag actcaagcag gattctcttt ttacagagga aactccaggc      240
tacgttcatt tcttactgtc cctcatgtag aaaggtaaac ttgggtcata cctggatact      300
gtctctcatc tttttctttt gctctgagca agtagctccc atgtatccaa tatgaatctt      360
gggccataaa ttcaagcatt tgagaaataa aatttcaaat atatacttga aatgcttcaa      420
gtgtatctga gaaattcttg gtatgtccac acagtgaagt attactcagt cataaaaaagg      480
agtaagtact gtacatacta cgacatggat gaactagaa aacatgcact aagtgaaca      540
aaccagatgc aaaagaccac atatcataag acttcattta tatgaattgt ccagaataag      600
caaaccataa aagacaaaaa gtagatgact ggttgccaga ggataagggg agggagaatg      660
gagagtgtat gctaataagg atagggtttc tttttggagc gatgaaaata ttctgggagc      720
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aaggcctact tcacaaagcg ccttcccccg taaatgatat catctcaact tagtattata      1440
cccacaccca cccaagaaca gggtttaaca aaaaaaaaaa aaaaaaaaaa aaaaaaa      1497
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<210> 369
 <211> 1147
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (5)..(6)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (11)..(12)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (19)..(19)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (1145)..(1145)
<223> n equals a,t,g, or c
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<400> 369

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gctgtcctgt	gccaccccat	taaagtgcag	ttccctccgg	aaaaaaaaa	aaaaaaagg	1140
cggcnac						1147

<210> 370

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (34)..(34)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (751)..(751)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (762)..(762)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (764)..(764)

<223> n equals a,t,g, or c

<400> 370

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gaacttggag	ttgggtctgt	ggtccattgg	tcagtacttt	gttcagaggc	actgaggggtg	420
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tcagggttcag	gactgaatga	gagtcctctt	gttgcgagtt	gaggggtgtac	ttgggcatg	540
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ggaacccaac	tacccagttt	atttatttct	targcgtaga	aggaataatt	tagggggaac	660
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ggggcccaag	cttacggtg	catgcgggcg	ngttacctca	antnaaatat	agagagttcc	780
c						781

<210> 371
 <211> 1346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (291)..(291)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (421)..(421)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (423)..(423)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n equals a,t,g, or c

<400> 371	
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gggggccttc	gcaggcttct
ggcctgatcc	tggtgtcaga
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cagccctgag	caagtgccag
tggagcagct	caagagcgag
ncnangagac	ccggcagcac
gctacgagga	ccaactgaag
aggagtccgt	gcagaagcag
tgcggcacaa	gaattgagat
cgagcgggag	aatgcagaca
tcagaccgtc	ttggagtcca
ctttgtgaca	gaccgggaca
gcaggtggct	gagaggcagc
gctctgcaca	gccctgtagc
tcggctgtct	ctccctcctt
cggtgagacc	ccatctctac
ggtcctgcta	ctcgagaggg
cagttagcca	acattgcacc
aagaaaaaaa	tgccagggcg
gaggtgggcg	gatcacgagg
ctctacaaaa	aaaaaaaaaa
	60
gcacgagctc	tgccctcatc
cagccttggtg	gggtgggggt
ctgctgggtgc	ttctgtgcct
agccagaac	ctgctgcaca
gcagacacag	gagcggctgt
ctgtgctctg	caggagtatg
cgagagctga	ggagaggagg
ggcgagccac	cgtggaaccg
ggagaccgat	gcccggggcg
gcgccaaggc	gcgccaaggc
gcagatccgc	ctgaaggcgt
tttggggaag	gattccgtgc
atattcataa	aacagggctg
cccaggtcct	gtccctgccg
ccacgttgta	cctgctgggc
agttgccagc	ctgggccaca
acattagctg	ggtgtgatgg
agcccaggag	gtttgggctg
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tcccagcatt	ttcgaggcg
tggttaagagt	gaaaccctgt
	1260
	1320
	1346

<210> 372
 <211> 536

<212> DNA
 <213> Homo sapiens

<400> 372
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 ctagcagcaa tgatgtacag gtggatcttt tttcacatta acactaccag ctgctccatg 180
 gctatagtgc ttaggaatat ctcaagaattt caacagatct atcagctgca atattagga 240
 gtcttgccaa cacagagaca cattcacatg ctgaaaagag catgagttga aggcacagct 300
 ggggactttt gatgcaggtc cagaactgga tggttgtgaa gccattagag atatttaa 360
 tgtccagaat ttcaggctct gctttaaaaa ctaggctaca aaccctcatt cagaaagagg 420
 tcagtaatat gcctgtgag tagaaagata ctggaacat ttcaatgcca aaagtaacat 480
 ttttttccag aatgctatga ctaaattttt taaaaaaaaa aaaaaagggc ggccgc 536

<210> 373
 <211> 1898
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n equals a,t,g, α c

<220>
 <221> misc_feature
 <222> (1854)..(1854)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1859)..(1859)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1888)..(1888)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1897)..(1897)
 <223> n equals a,t,g, or c

<400> 373
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 acctccgaga gcagcccag aaactaaæc aacagcagaa agcggggctc cagcaccacc 180
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cagtaaaaaa	aaaaaaaaaa	aaaaagggcg	gccgctttaa	aaggatcctt	cganggggnc	1860
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<210> 374
 <211> 1982
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n equals a,t,g, or c

<400> 374						
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ccccacgcgg	gcaagggagc	gggagcggtc	tggcgctsc	gccgcaggaa	gtgaccaagt	180
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tagttttatt	tagatttttt	aaaattctgt	agattaaagc	aaatgacagt	tattgaacta	1920
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ag						1982

<210> 375
 <211> 3034
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n equals a,t,g, or c

<400> 375						
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ctatcagtag	ctatagataa	aaataactat	attctaatat	ggcttaaatg	gagatatgac	180
cctctcattg	atattttcct	atgtgttaatt	atttttgaag	cattgtgagt	tctgtgaaat	240
tttgctattt	attgaactat	gaaagcactt	gattttctta	actcttgagt	gccagaaatt	300
tgggaagaat	attcctgagg	attagacaaa	taatgatacc	ttgtgtatat	acatgggtgt	360
ggaatgtcta	catttccctt	aagggcacat	attccataag	ttggtctaca	gataacttca	420
cattagttga	ccattgttta	acaatgtctt	aaagttacat	ttgcataaga	atccaacttg	480
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aaaggagaag	caagaaagag	aagaaagaga	aaaagaacgg	gagagagaaa	gggaagaaaag	600
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atcagactaa	gtgggatttc	atttttacaa	ctctgctcta	cttagccttt	ggatttagaa	2940
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaact	cgag			3034

<210> 376
 <211> 2008
 <212> DNA
 <213> Homo sapiens

<400> 376						
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cccggccaga	gcttcctagc	agcccagacc	atgaacaccg	aaatgtatca	gacccccatg	300
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<210> 377
 <211> 947
 <212> DNA
 <213> Homo sapiens

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ttactagcta gaagctctta agttcacttg tttatcaggg catatacaga agggtttggt      180
aaaactcgat gttaacttta caactttctg acctgggtgca tgaattctca agtactgtat      240
ttcactgtgt tgggtgtgtct gatggaaatt tcgagggtggt cccacaaaaa tatttatgt      300
agtgtgcctt caaagagAAC catttatctt tcttcactta tctgtcccaca aagtcacatt      360
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<210> 378
 <211> 5061
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5057)..(5059)
 <223> n equals a,t,g, or c

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cctggatccc agaaggtcgc gaaggcagta ccgtttcctc agcggcggac tgctgcagta      180
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gggatcccac ccccgagatt tccaggattt cctccacctg tacctccagg gaccccaatg      300
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gatcgcagtc gatcaagaga aaaaagcaga gatcgtgaaa gggaacgaga gcgggaaaga      1380
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <211> 1947
 <212> DNA
 <213> Homo sapiens

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<210> 382
 <211> 1081
 <212> DNA
 <213> Homo sapiens

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 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

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<210> 383
 <211> 1273
 <212> DNA
 <213> Homo sapiens

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 <211> 2179
 <212> DNA
 <213> Homo sapiens

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<210> 385

<211> 2795

<212> DNA

<213> Homo sapiens

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 <211> 929
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <221> misc_feature
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 <213> Homo sapiens

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<210> 388

<211> 1887

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1882)..(1882)

<223> n equals a,t,g, or c

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<400> 388
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 <212> DNA
 <213> Homo sapiens

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 <222> (19)..(19)
 <223> n equals a,t,g, or c

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 <222> (291)..(291)
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 <223> n equals a,t,g, or c

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<400> 389	
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<210> 390

<211> 2878

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (205)..(205)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (213)..(213)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (840)..(840)

<223> n equals a,t,g, or c

<400> 390

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<210> 391
<211> 3179
<212> DNA
<213> Homo sapiens

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<220>
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<222> (49)..(49)
<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<211> 1411

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 394
 <211> 1980
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (35)..(35)
 <223> n equals a,t,g, or c

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<210> 395

<211> 1663

<212> DNA

<213> Homo sapiens

<400> 395

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 <212> DNA
 <213> Homo sapiens

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<210> 397
 <211> 2495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (913)..(913)
 <223> n equals a,t,g, or c

<400> 397

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aaaactgata	acaatgaaac	tgcggctctt	aaacaaagcc	atgcatgccg	tgcatttgta	480
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aatttagatt	ataaatgtgt	gagtgcagat	tatcctgcta	ttgcacaagc	tagagggggg	720
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<210> 398
 <211> 1771
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1672)..(1672)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1696)..(1696)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1706)..(1706)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1749)..(1749)
 <223> n equals a,t,g, or c

<400> 398
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 aatgtctttt ccacctcatt tgaatcgccc tcccatggga atcccagcac tcccaccagg 240
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 gggttgaaaag catttgggcg caagaaagga tcatccaggc ttaaaggcta aagaaaatga 420
 tgaaaattgt ggctcacta ccactgtttt tgttggcaac atttccgaga aagcttcaga 480
 catgcttata agacaactct tagctaaatg tggtttggtt ttgagctgga agagagtaca 540
 aggtgcttcc ggaaagcttc aagccttcgg attctgtgag tacaaggagccagaatctac 600
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 aararaagga agaaagaagg aaggagaatt ggccaaagga agcttaaaccg anttaaaaag 1680
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 ggaattgnt ttttcaggaa aagttttcct t 1771

<210> 399
 <211> 1534
 <212> DNA
 <213> Homo sapiens

<400> 399
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 gatgaaaatt gtggtcctac taccactggt tttgttgga acatttccga gaaagcttca 480

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aaagttgatg	caaagacaaa	ggcacagctg	gatgaatgga	aagcaaagaa	gaaagcttct	720
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gaacgggagc	gagaaaaaaa	aaaaaaaaaa	aaagggcggc	cgctctagag	gatccaagct	1500
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<210> 400

<211> 1157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (826)..(826)

<223> n equals a,t,g, or c

<400> 400

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aactagctct	ttagcaagaa	tcttactaga	ataaaatggc	tcttgctacc	tgtattttta	300
atcagcctat	gtatattgat	cccattcctg	atattatcac	cttaatatat	aacagcccca	360
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<210> 401

<211> 2791

<212> DNA

<213> Homo sapiens

<400> 401

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<210> 402
 <211> 669
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (23)..(23)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 <222> (75)..(75)
 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 ggtggagtc atgtgtgaaa tggcatctac catttcctct ggattaaaac tacggactgg 480
 ggacaacagt attaattcga ttgaatgtgg ctgatgatgc agttgcttag cttctttgtg 540
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 aaaaaaaaaa 669

<210> 403
 <211> 1854
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1280)..(1280)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1826)..(1826)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1835)..(1835)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1852)..(1853)
 <223> n equals a,t,g, or c

<400> 403

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<210> 404
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

<400> 404

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c						1081

<210> 405
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

<400> 405	
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acccggggcc	aaacccgagg
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gcacgaagtg	ggcacgagga
taaaagattc	tggctcttgg
agctgcaatg	atactgttgt
catggagata	tccttcttca
catacccttc	atcctgtggc
ccttgtggga	gccgtggtct
acttgctgtg	atccttattg
aagaaaccac	ttcagaggca
ggaaaaagga	ccccagcagg
gccaccaggg	ccagcaaagg
gcagtgtatt	ttacagcaat
ttcttttcca	ttttcattac
gcctaaaaaa	aaaaaaaaaa
c	

<210> 406

<211> 1044
 <212> DNA
 <213> Homo sapiens

<400> 406
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 agtcatggca cctaaggcgg caaagggggc caagccagag ccagcaccag ctccacctcc 180
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 agctgcaatg atactgttgt cctcactcac cgtgcacccc atcttgaggc ttatcatcac 480
 catggagata tccttcttca gcttcttcat cttactgtac agctttgcca ttcataagata 540
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 gcagtgtatt ttacagcaat atgtttccac tctcttcctt gtcttcttcc tggaatgggt 960
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<210> 407
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

<400> 407
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 agctgcaatg atactgttgt cctcactcac cgtgcacccc atcttgaggc ttatcatcac 480
 catggagata tccttcttca gcttcttcat cttactgtac agctttgcca ttcataagata 540
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 gcagtgtatt ttacagcaat atgtttccac tctcttcctt gtcttcttcc tggaatgggt 960
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gcctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa aaaaaaaaaa aacagnancc 1080
c 1081

<210> 408
<211> 1100
<212> DNA
<213> Homo sapiens

<400> 408
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ccgggggcca acccgaggaa gacaagaagg acggtaagga gccatcggac aaacctcaaa 240
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aaaaaaaaaa aaaactcgag 1100

<210> 409
<211> 1015
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (995)..(995)
<223> n equals a,t,g, or c

<400> 409
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taagccgcgg cggacaacta tgctgaaagc caagatcctc ttcgtagggc cttgcgagag 120
tgaaaaaact gttttggcca actttctgac agaattctct gacatcactg aatacagccc 180
aaccgaagga gtgaggatcc tagaatttga gaaccgcac gttaccagca acaacaaagg 240
cacgggctgt gaattcgagc tatgggactg tggtagcgat gctaagtttg agtcctgctg 300
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ccaccggaag gaaatggaga tgtggtattc ctgctttgtc caacagccgt ccttacagga 420
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<210> 410
 <211> 2167
 <212> DNA
 <213> Homo sapiens

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<400> 410
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gcctattgtc tttgtggcaa gtcttgcccg gcagcctagc ttcagagcaa tgtaagtggg      180
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ctgggtgaatg tttttgcctg ttggaaggac gttgcagcta caggcagact cccaccatcc      600
accaacggcc ttattgtcaa tccatagtct tgtgctgat gcaaagtggc ctgagttttt      660
tgcataatct gtgagatcac tatgggaacg cagtcattat aatacagcag ttcctgtctt      720
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<210> 411
 <211> 2793
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2762)..(2762)
 <223> n equals a,t,g, or c

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caaaaaattt	aaaaaggatg	tatacatatt	atagtctggc	tatcagtttg	atatcttgct	2700
gtcaagtatg	tttctcaatc	tgtatttatc	catcccatca	ataaatgtta	atggtaaaac	2760
ancaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaa			2793

<210> 412
 <211> 927
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (883)..(883)
 <223> n equals a,t,g, or c

```

<220>
<221> misc_feature
<222> (912)..(912)
<223> n equals a,t,g, or c

<400> 412
gcttcacatcgg tgaacaagggt tgtttactga atgtggagaa gtcagtgaat tctccacagt      60
gacagatgca ctctggagat ggggctgagg ctaggtgtgc acctcccctg ccagccatca      120
gcagcctgcc cacgtctgtc gcgttatgag ttgttgatct taaatttctg caaatgtttc      180
ttgttacaga gtatggtggt tgcraaaact tgcggaagct ggagatcaca ggcgtgtctt      240
gtcgggacgt ctatgcgaag cgtattaaac cctcgcgtga agtcgggacg ttttgtgaaa      300
attctccctg attatgagca catggcgtac agagacgttt acacctgcct gcttcaccga      360
tatagacaca ttttgggatt gtggcagcca gatatcgggc catacggagg actgctgaac      420
gtggtggtgg acggcctggt catcatcgta atgaggcgtg cgccgccaat atgcactgta      480
cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagatgc      540
aaagaggttg gatcaagttt aaatgactgt gctgccctt tcacatcaaa gaactactga      600
caacgaaggc cgcgcctgcc tttcccatct atctatctgg ctggcaggga aggaaagaac      660
ttgcatgttg gtgaaggaag aagtggggtg gaagagtgg ggtgggacga cagtgaatc      720
tagagtaaaa ccaagctggc ccaaggtgtc ctgcaggctg taatgcagtt taatcagagt      780
gccatttttt tttttgttca aatgatttta attattggaa tgcacaattt ttttaatatg      840
caaataaaaa gtttaaaaaa ttaaaaaaaa aaaaaaaaaa aanccccggg ggggggccccg      900
gwaccaattt cnccccacaa gggagcc      927

```

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<210> 413
<211> 1252
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (243)..(243)
<223> n equals a,t,g, or c

```

```

<400> 413
gagaagaagt actactccaa aaactttggt aagtgttta ttcttcccta gcagtaggct      60
gttgctgagt tgtagactgg tggttttatg aaaaaaaaaa aggttgggga ggtgtgaaga      120
tggaatgag ggctgtgtta tgtatatctg gtatctactt ctgttccagg tgcttaattc      180
acctcatac tgatgtttta agttagagga ttcttgtcca ttgtcttgt cttctgttgg      240
canggtcaca tgcaggtaat aggctatggg aaggggaaga tgcctagatt acttctaggc      300
tggctctcaa gccccaagtt caagcctcct gagtagctga gactacaggc acacaccatc      360
gttctcaact tttctttttt aacataggct agctagctcc caccttagcc ttctagacc      420
ctccattata attcttattc aattgcttg gcctcccaaa gtgctggaat tacaggtgtg      480
agccactgca cccagctatt ttttctatat ttttatgtag ttcatgagg gtaataattt      540
tatcctacaa caaacatgta agttattgaa gaattattgga gttttatgat aatgctgtca      600
taaatataaa aggtagggtta agagggatcc aaatagagct cacttatatt gtcactgta      660
ggcagtcacg ctgtgctgat agaatgtggc ctgacacttg atggagtgca gcatatgtat      720
acttgggcaa tttgagcaga tatatacggg ccgaggttta aagaagagaa caaacaccag      780
tgcacagcta tagtattcct aatataggat gcatttttaa gaatttcaca ttctacaaat      840
ggagagagat ggcaggagaa gccttatttt aagtcctgca ctaaggcagg ttaacctcat      900
gggtgtaatt acctggacct ttttgtaagg acaaaatatt taatcattaa aaggccctct      960
gtagggtttg aaatatctat attttatata tgaatgttct ttttattaat atttatggta      1020
agatatttta tactgctgat aaacggacat taatgatata tagcctattg ttgaaaaaa      1080
gcatttttga ttatagccca aaactggaaa taaccaacag ataaataaat ggtggtatat      1140
tcatacaata aaatactact cagataaaaa agatgaactt aatctcataa acattatggg      1200
caacatagtg agaaccatc tcttttaaaa aaaaaaaaaa aaaaaactcg aa      1252

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```

<210> 414

```


<211> 1887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1882)..(1882)
 <223> n equals a,t,g, or c

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<400> 414
gttcacatctta gtcaatccta tgccacctct tcttcctcca gtcccctcac ctgatgggtcc      60
cgacacttca tcatccacca cctcctggag ggggtaccct gaggtgtcc gctgggggct      120
ccgctcttcc tggggctgcg gttgatggct catcatgac tttcccaaaa tctgtcccat      180
ctcaccaaac ctagtctctg ttctgtcctt ggtcttcttc tggacactgc tgggatccag      240
aagagtgtgt tatcaattct cgaggctggg agaagtcagg agtgagaaac agctctgaga      300
agttactgtt gtccaactga actcccaggt gccgacagag tccggtccct ccaatcagga      360
aggtcggaat ctctgatgtc atcgctcatg ccaacctggc aaccagtttg aaaaaaaca      420
catgtaactg ccaggctgat ctcttgtcct ggagatcctg ggtgaatggt atctcctgcc      480
actgtcccaa cctcagacca ytgccaaaaa gcactttcaggggwctccrca tccctctrtt      540
ccctgtccca gcagaggctg tgtcctctcc actcaaagcy tgaagcrtgt tggggctctcy      600
tcttctctgt tcttaactca acatgccgt ttcagagctc agtctgggtg gagagggatc aggatgggaa      660
agaaaagtag ggtaagcaga aacgatgaaa ccttacaaga gtgagattat catgtacaag      720
agatcccagg aacattgact tgatgaaaaa gtcacatcag agcactcaat ttggcagagg      780
ttttctgccc agtgtctact gacattcact gtccgagatt ctgtactggg ggtacacgcg      840
tcctctgccc taaggcatct ttgagtccaa gagatatttt gaggactgga aatcatagga      900
aactgccccat gagttcacac atattttccaa tgggtcccc aatttcaggg agtccacgga      960
tcacctaaag ccagccctc cagtttggct aagaaactct atatatcaag ttttztatca      1020
tatgtattgc tcttaactca gaaaattcca ccatttatag cagtggttta tttatttata      1080
ccattgaagg aaatggttta tttatgaatc tatattatgg atattctata agatactggg      1140
tgtacaaaaa gactaagtcg aaaaatctca gctgtgcaca gtggctcatg yttgtaaycc      1200
catctctttg ggtgscacag ggaggaagac tgcctgaggc cagcagttca agaccagtat      1260
aggcaacata gcaagagccc atctctaaaa caaaacaaaa caaaacaaaa caaaattagc      1320
caggtgtcgt ggctggcacc tgtgttccaa caacttgaga gactgaggtg gcaggaggat      1380
tgcttgagcc taggagttag gggctgcagt gagctgtgat cgtgacaccg cactccagtc      1440
tgggcaacac agcaagrcct tgtgtcaaaa aaattttttt aattaaatat aaaagagttt      1500
catgacattc agagaccatc caaagaacct gtgggttccg gccaggcaca gtgctcacgc      1560
ctgtaatccc agcgttttgg gaggccatag caggtggatc gcttgaggtc aggagtttaa      1620
gagcagcctg gccaacatgg tgaaacccca tctcttctaa aaatacaaaa aattagtcag      1680
gcatggtggt ggggtgcctgt aatcccagcc actcaggagg cggggacagc agaatggctt      1740
aaacttggga ggcggagggt gcaagagcc aaggtcacac cattgcactc cagcctgggc      1800
aacaagagca aaactacatc tcaaaaaaaaa aaaaaaaaaa ctcgaggggg ggcccgggtac      1860
ccaattcgcc ctatgggtgag tngaattg      1887
```

<210> 415
 <211> 141
 <212> PRT
 <213> Homo sapiens

```
<400> 415
Leu Pro Ala Ser Gly Cys His Gly Pro Ala Ala Ser Ser Tyr Ser Ala
  1              5              10              15

Ser Ala Glu Pro Ala Arg Val Arg Ala Leu Val Tyr Gly His His Gly
              20              25              30

Asp Pro Ala Lys Val Val Glu Leu Lys Asn Leu Glu Leu Ala Ala Val
  35              40              45
```

Arg Gly Ser Asp Val Arg Val Lys Met Leu Ala Ala Pro Ile Asn Pro
 50 55 60
 Ser Asp Ile Asn Met Ile Gln Gly Asn Tyr Gly Leu Leu Pro Glu Leu
 65 70 75 80
 Pro Ala Val Gly Gly Asn Glu Gly Val Ala Gln Val Val Ala Val Gly
 85 90 95
 Ser Asn Val Thr Gly Leu Lys Pro Gly Asp Trp Val Ile Pro Ala Asn
 100 105 110
 Ala Gly Leu Glu Ser Arg Ser Val Ala Gln Ala Gly Ala Ile Leu Ala
 115 120 125
 His Cys Asn Leu Gln Pro Pro Pro His Arg Arg Met Ala
 130 135 140

<210> 416
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 416
 Leu Gly Leu Leu Val Pro Leu Glu Pro His His Val Leu Gly Val Glu
 1 5 10 15
 Ser Pro

<210> 417
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 417
 Met Ala Leu Lys Ser Leu Asn Thr His Thr Lys Ser Phe Phe Thr Phe
 1 5 10 15
 Ile Leu Ile Leu Leu Asn Leu Ser Ser Cys Lys Ser Asn Met Met His
 20 25 30
 Phe Lys Met Glu Ser Leu Pro Pro Thr Ser Leu Thr Pro Phe Leu Leu
 35 40 45
 Cys Leu Phe Phe Leu Pro Ser Leu Pro Leu Val Ser Pro Leu Pro Pro
 50 55 60
 Ser Leu Phe Pro Ser Phe Leu Ile Ser Phe Ser Phe Leu Pro
 65 70 75

<210> 418
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 418
 Met Cys Gly Arg Arg Pro Arg Leu Gly Trp Thr Cys Val Trp Gly Cys
 1 5 10 15
 Thr Arg Ala Pro Cys Trp Gly Ala Ser Trp Ala Arg Ser Ala Gly Ser
 20 25 30
 Thr Thr Cys Gly Arg Leu Met Ser Leu
 35 40

<210> 419
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 419
 Leu Leu Gly Thr Trp Leu Cys Pro Gln Leu Pro Pro Gly Leu Gly Ala
 1 5 10 15
 His His Ala Pro Ser Ser Phe Ser Ser Tyr Leu Cys Pro Val Ser Pro
 20 25 30
 Ser Ile Arg Leu Ser Asp Gly Thr Leu Trp Glu Arg Leu Trp Pro Trp
 35 40 45
 Ser Gly Gly Arg Glu Gln Gly Gly Arg His Lys
 50 55

<210> 420
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 420
 Met Ser Cys Pro Ala His Ala Ser Pro Pro Cys Ser Asn Thr Ser Gly
 1 5 10 15
 Cys Leu Glu Phe Ser Phe Cys Gly Phe Ala Leu Pro Ile Pro Ser Pro
 20 25 30
 Val Leu His Ser Ser Trp Gln Gly Gly Glu Gly Trp Gly Trp Phe Gly
 35 40 45
 Trp Val Arg Gly Phe Phe Leu Cys Val Arg Cys Cys Tyr Leu Thr Val
 50 55 60
 Leu Arg Pro Tyr Trp Pro Phe Ser Ser Ser Ser Tyr Leu Tyr Gly Thr

65 70 75 80
 Ser Asn Lys Asp Thr His Phe Arg Pro Gly Lys Lys Lys Lys Lys Lys
 85 90 95
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 100 105 110
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 115 120 125
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 130 135

<210> 421
 <211> 30
 <212> PRT
 <213> Homo sapiens

(
 <400> 421
 Met Leu Met Met Gly Thr Leu Val Leu Ile Leu Leu His Asp Val Ile
 1 5 10 15
 Val Thr Phe Thr Glu Phe Tyr Asn Ala Gln Asn Leu Lys Trp
 20 25 30

<210> 422
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 422
 Cys Leu Gln Trp Phe Val Pro Leu Val Pro Gln Gln Ile Pro Glu Leu
 1 5 10 15
 Ile Leu Met Thr Ile Trp Lys
 20

<210> 423
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 423
 Phe Leu Leu Ser Phe Cys Ala Phe Pro Cys Val Phe Met Phe Trp Val
 1 5 10 15
 Ser Val Leu His
 20

<210> 424
<211> 21
<212> PRT
<213> Homo sapiens

<400> 424
Met Ile Tyr Leu Ser Ile Tyr Leu Leu Val Asn Ile Leu Ala Val Ser
1 5 10 15
Asn Ser Trp Pro Ser
20

<210> 425
<211> 9
<212> PRT
<213> Homo sapiens

<400> 425
Met Phe Met Met Ser Val Tyr Ile Leu
1 5

<210> 426
<211> 17
<212> PRT
<213> Homo sapiens

<400> 426
Met Pro Trp Cys Leu Leu Pro Leu Cys Leu His Ile Leu Cys Val Ser
1 5 10 15
Ala

<210> 427
<211> 55
<212> PRT
<213> Homo sapiens

<400> 427
Met Val Leu Ala Ile Phe Gln Asn Ala Leu Ser Phe Thr Ile Ser Ala
1 5 10 15
Leu Leu Phe Ile Leu Ser Phe Tyr Phe Gly Thr Ala Ala Leu Trp Leu
20 25 30
Phe Ile Cys Gln Asn Cys His Phe Leu Ser Ile Gln Leu Leu Cys Pro
35 40 45
Leu Phe His Glu Ser Pro Asn
50 55

<210> 428
<211> 11
<212> PRT
<213> Homo sapiens

<400> 428
Met His Gln Pro Leu Cys Ile Tyr Cys Phe Ser
1 5 10

<210> 429
<211> 54
<212> PRT
<213> Homo sapiens

<400> 429
Met Thr Glu Asn Pro Lys Val Gln Met Met Leu Ile Ile Val Val Pro
1 5 10 15
Leu Gln Leu Phe Ile Asn Pro Val Gln His Pro Ile Gln Gln Val Arg
20 25 30
Cys Ile His Leu His Leu Cys His Gly Trp Ala Leu Asp Arg Leu Ala
35 40 45
Leu Glu Leu Val Cys Leu
50

<210> 430
<211> 10
<212> PRT
<213> Homo sapiens

<400> 430
Met Thr Arg Cys Leu Trp Arg Thr Leu Gln
1 5 10

<210> 431
<211> 32
<212> PRT
<213> Homo sapiens

<400> 431
Met Phe Cys Gly Ala Cys Gln Ile Gly Trp Asn Leu Trp Gly Leu Leu
1 5 10 15
Trp Glu Met Pro Arg Glu His Arg Phe Arg Arg Trp Glu Gln Leu Val
20 25 30

<210> 432
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 432
 Met Lys Thr Thr Cys Leu Ser Ser Thr Leu Val Arg Met
 1 5 10

<210> 433
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 433
 Val Leu Leu Ile Leu Lys Leu Leu Leu Leu Lys Gly Ala Arg Ser Ile
 1 5 10 15
 Gln Ile Phe Met Phe Arg Cys Leu Ile Ala Phe Aa Leu Ile Thr Lys
 20 25 30
 Leu Gln Asn Tyr Met Asp
 35

<210> 434
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 434
 Met Arg Thr Ile Tyr Ser Ala Phe Phe Phe Leu Ser Leu Cys Leu Ser
 1 5 10 15
 Val Leu Leu Ser Ser Thr Val Phe Asp Asp Trp His Pro Ile Ser Ile
 20 25 30
 Ser Trp Val Gln Asn Phe Gly Leu Thr Pro Ser Phe Asp Val Gln Val
 35 40 45
 Pro Gln Thr Leu Arg Cys Phe Phe Arg Ser Gly Cys Arg Trp His Pro
 50 55 60
 Leu Asn Leu Leu Gln Phe Lys Leu Ser Thr Phe Leu Arg Ile Ile Ser
 65 70 75 80
 Phe Tyr Leu Ser Phe Cys Ser Glu Lys Arg Leu Gln His Glu
 85 90

<210> 435
 <211> 1167
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (429)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (435)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (437)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (444)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (447)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (452)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (588)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (832)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 435
 Val Glu Leu Pro Phe Val Thr His Leu Phe Leu Pro Leu Val Phe Leu
 1 5 10 15
 Thr Gly Leu Cys Ser Pro Phe Asn Leu Asp Glu His His Pro Arg Leu
 20 25 30
 Phe Pro Gly Pro Pro Glu Ala Glu Phe Gly Tyr Ser Val Leu Gln His
 35 40 45

Val Gly Gly Gly Gln Arg Trp Met Leu Val Gly Ala Pro Trp Asp Gly
50 55 60
Pro Ser Gly Asp Arg Arg Gly Asp Val Tyr Arg Cys Pro Val GlyGly
65 70 75 80
Ala His Asn Ala Pro Cys Ala Lys Gly His Leu Gly Asp Tyr Gln Leu
85 90 95
Gly Asn Ser Ser His Pro Ala Val Asn Met His Leu Gly MetSer Leu
100 105 110
Leu Glu Thr Asp Gly Asp Gly Gly Phe Met Ala Cys Ala Pro Leu Trp
115 120 125
Ser Arg Ala Cys Gly Ser Ser Val Phe Ser Ser Gly Ile Cys Ala Arg
130 135 140
Val Asp Ala Ser Phe Gln Pro Gln Gly Ser Leu Ala Pro Thr Ala Gln
145 150 155 160
Arg Cys Pro Thr Tyr Met Asp Val Val Ile Val Leu Asp Gly Ser Asn
165 170 175
Ser Ile Tyr Pro Trp Ser Glu Val Gln Thr Phe Leu Arg Arg Leu Val
180 185 190
Gly Lys Leu Phe Ile Asp Pro Glu Gln Ile Gln Val Gly Leu Val Gln
195 200 205
Tyr Gly Glu Ser Pro Val His Glu Trp Ser Leu Gly Asp Phe Arg Thr
210 215 220
Lys Glu Glu Val Val Arg Ala Ala Lys Asn Leu Ser Arg Arg Glu Gly
225 230 235 240
Arg Glu Thr Lys Thr Ala Gln Ala Ile Met Val Ala Cys Thr Glu Gly
245 250 255
Phe Ser Gln Ser His Gly Gly Arg Pro Glu Ala Ala Arg Leu Leu Val
260 265 270
Val Val Thr Asp Gly Glu Ser His Asp Gly Glu Glu Leu Pro Ala Ala
275 280 285
Leu Lys Ala Cys Glu Ala Gly Arg Val Thr Arg Tyr Gly Ile Ala Val
290 295 300
Leu Gly His Tyr Leu Arg Arg Gln Arg Asp Pro Ser Ser Phe Leu Arg
305 310 315 320
Glu Ile Arg Thr Ile Ala Ser Asp Pro Asp Glu Arg Phe Phe Phe Asn
325 330 335
Val Thr Asp Glu Ala Ala Leu Thr Asp Ile Val Asp Ala Leu Gly Asp
340 345 350

Arg Ile Phe Gly Leu Glu Gly Ser His Ala Glu Asn Glu Ser Ser Phe
 355 360 365
 Gly Leu Glu Met Ser Gln Ile Gly Phe Ser Thr His Arg Leu Lys Asp
 370 375 380
 Gly Ile Leu Phe Gly Met Val Gly Ala Tyr Asp Trp Gly Gly Ser Val
 385 390 395 400
 Leu Trp Leu Glu Gly Gly His Arg Leu Phe Pro Pro Arg Met Ala Leu
 405 410 415
 Glu Asp Glu Phe Pro Pro Ala Leu Gln Asn His Ala Xaa Tyr Leu Gly
 420 425 430
 Tyr Ser Xaa Ser Xaa Met Leu Leu Arg Gly Gly Xaa Arg Leu Xaa Leu
 435 440 445
 Ser Gly Ala Xaa Arg Phe Arg His Arg Gly Lys Val Ile Ala Phe Gln
 450 455 460
 Leu Lys Lys Asp Gly Ala Val Arg Val Ala Gln Ser Leu Gln Gly Glu
 465 470 475 480
 Gln Ile Gly Ser Tyr Phe Gly Ser Glu Leu Cys Pro Leu Asp Thr Asp
 485 490 495
 Arg Asp Gly Thr Thr Asp Val Leu Leu Val Ala Ala Pro Met Phe Leu
 500 505 510
 Gly Pro Gln Asn Lys Glu Thr Gly Arg Val Tyr Val Tyr Leu Val Gly
 515 520 525
 Gln Gln Ser Leu Leu Thr Leu Gln Gly Thr Leu Gln Pro Glu Pro Pro
 530 535 540
 Gln Asp Ala Arg Phe Gly Phe Ala Met Gly Ala Leu Pro Asp Leu Asn
 545 550 555 560
 Gln Asp Gly Phe Ala Asp Val Ala Val Gly Ala Pro Leu Glu Asp Gly
 565 570 575
 His Gln Gly Ala Leu Tyr Leu Tyr His Gly Thr Xaa Ser Gly Val Arg
 580 585 590
 Pro His Pro Ala Gln Arg Ile Ala Ala Ala Ser Met Pro His Ala Leu
 595 600 605
 Ser Tyr Phe Gly Arg Ser Val Asp Gly Arg Leu Asp Leu Asp Gly Asp
 610 615 620
 Asp Leu Val Asp Val Ala Val Gly Ala Gln Gly Ala Ala Ile Leu Leu
 625 630 635 640
 Ser Ser Arg Pro Ile Val His Leu Thr Pro Ser Leu Glu Val Thr Pro
 645 650 655

Gln	Ala	Ile	Ser	Val	Val	Gln	Arg	Asp	Cys	Arg	Arg	Arg	Gly	Gln	Glu			
			660					665					670					
Ala	Val	Cys	Leu	Thr	Ala	Ala	Leu	Cys	Phe	Gln	Val	Thr	Ser	Arg	Thr			
		675					680					685						
Pro	Gly	Arg	Trp	Asp	His	Gln	Phe	Tyr	Met	Arg	Phe	Thr	Ala	Ser	Leu			
	690					695					700							
Asp	Glu	Trp	Thr	Ala	Gly	Ala	Arg	Ala	Ala	Phe	Asp	Gly	Ser	Gly	Gln			
705					710					715					720			
Arg	Leu	Ser	Pro	Arg	Arg	Leu	Arg	Leu	Ser	Val	Gly	Asn	Val	Thr	Cys			
				725					730						735			
Glu	Gln	Leu	His	Phe	His	Val	Leu	Asp	Thr	Ser	Asp	Tyr	Leu	Arg	Pro			
			740					745					750					
Val	Ala	Leu	Thr	Val	Thr	Phe	Ala	Leu	Asp	Asn	Thr	Thr	Lys	Pro	Gly			
		755					760					765						
Pro	Val	Leu	Asn	Glu	Gly	Ser	Pro	Thr	Ser	Ile	Gln	Lys	Leu	Val	Pro			
	770					775					780							
Phe	Ser	Lys	Asp	Cys	Gly	Pro	Asp	Asn	Glu	Cys	Val	Thr	Asp	Leu	Val			
785					790					795					800			
Leu	Gln	Val	Asn	Met	Asp	Ile	Arg	Gly	Ser	Arg	Lys	Ala	Pro	Phe	Val			
			805						810					815				
Val	Arg	Gly	Gly	Arg	Arg	Lys	Val	Leu	Val	Ser	Thr	Thr	Leu	Glu	Xaa			
		820						825					830					
Arg	Lys	Glu	Asn	Ala	Tyr	Asn	Thr	Ser	Leu	Ser	Leu	Ile	Phe	Ser	Arg			
	835						840					845						
Asn	Leu	His	Leu	Ala	Ser	Leu	Thr	Pro	Gln	Arg	Glu	Ser	Pro	Ile	Lys			
	850					855					860							
Val	Glu	Cys	Ala	Ala	Pro	Ser	Ala	His	Ala	Arg	Leu	Cys	Ser	Val	Gly			
865					870					875					880			
His	Pro	Val	Phe	Gln	Thr	Gly	Ala	Lys	Val	Thr	Phe	Leu	Leu	Glu	Phe			
			885						890					895				
Glu	Phe	Ser	Cys	Ser	Ser	Leu	Leu	Ser	Gln	Val	Phe	Val	Lys	Leu	Thr			
		900						905					910					
Ala	Ser	Ser	Asp	Ser	Leu	Glu	Arg	Asn	Gly	Thr	Leu	Gln	Asp	Asn	Thr			
		915					920					925						
Ala	Gln	Thr	Ser	Ala	Tyr	Ile	Gln	Tyr	Glu	Pro	His	Leu	Leu	Phe	Ser			
	930					935					940							
Ser	Glu	Ser	Thr	Leu	His	Arg	Tyr	Glu	Val	His	Pro	Tyr	Gly	Thr	Leu			
945				950						955					960			

Pro Val Gly Pro Gly Pro Glu Phe Lys Thr Thr Leu Arg Val Gln Asn
 965 970 975
 Leu Gly Cys Tyr Val Val Ser Gly Leu Ile Ile Ser Ala Leu Leu Pro
 980 985 990
 Ala Val Ala His Gly Gly Asn Tyr Phe Leu Ser Leu Ser Gln Val Ile
 995 1000 1005
 Thr Asn Asn Ala Ser Cys Ile Val Gln Asn Leu Thr Glu Pro Pro Gly
 1010 1015 1020
 Pro Pro Val His Pro Glu Glu Leu Gln His Thr Asn Arg Leu Asn Gly
 1025 1030 1035 1040
 Ser Asn Thr Gln Cys Gln Val Val Arg Cys His Leu Gly Gln Leu Ala
 1045 1050 1055
 Lys Gly Thr Glu Val Ser Val Gly Leu Leu Arg Leu Val His Asn Glu
 1060 1065 1070
 Phe Phe Arg Arg Ala Lys Phe Lys Ser Leu Thr Val Val Ser Thr Phe
 1075 1080 1085
 Glu Leu Gly Thr Glu Glu Gly Ser Val Leu Gln Leu Thr Glu Ala Ser
 1090 1095 1100
 Arg Trp Ser Glu Ser Leu Leu Glu Val Val Gln Thr Arg Pro Ile Leu
 1105 1110 1115 1120
 Ile Ser Leu Trp Ile Leu Ile Gly Ser Val Leu Gly Gly Leu Leu Leu
 1125 1130 1135
 Leu Ala Leu Leu Val Phe Cys Leu Trp Lys Leu Gly Phe Phe Ala His
 1140 1145 1150
 Lys Lys Ile Pro Glu Glu Glu Lys Arg Glu Glu Lys Leu Glu Gln
 1155 1160 1165

<210> 436
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 436
 Met Ser Val Leu Leu Leu Ser Ser Ser Cys Gly Ala Ala Phe Ala Val
 1 5 10 15

Leu Cys Pro Pro His Cys Glu
 20

<210> 437
 <211> 56

<212> PRT
<213> Homo sapiens

<400> 437
Gly Trp Phe His Leu Phe Trp Gln Glu Trp Glu Gln Glu Pro Gly Gln
1 5 10 15
Asn Lys Leu Leu Glu Ala Leu Val Leu Gly Thr Ala Ala Gly Arg Val
20 25 30
Gly Thr Arg Gln Asn Cys Leu Gln Asp Glu Ser Gln Glu Arg Thr Leu
35 40 45
Ser Pro Val Ser Gly Val Trp Leu
50 55

<210> 438
<211> 3
<212> PRT
<213> Homo sapiens

<400> 438
Gly Tyr Ser
1

<210> 439
<211> 68
<212> PRT
<213> Homo sapiens

<400> 439
Met Asp Lys Cys Leu Ile Ile Leu Cys Ile Phe Leu Leu Phe Val Lys
1 5 10 15
Gln Leu Ile Ile Phe Lys Thr Ile Leu Lys Gly Met Lys Val Gly Ile
20 25 30
Thr Gly Arg Gln Leu Ser Ile Arg Tyr Lys Asp Glu Phe Ser Ser Arg
35 40 45
Val Arg Cys Asn Lys Asp Ile Ala Thr Leu Tyr Pro Tyr Val Tyr Thr
50 55 60
Ser Asn Phe Tyr
65

<210> 440
<211> 42
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 440
 Met Leu Leu Phe Trp Ala Ile Phe Ala Ser Tyr Val Ser Ile Gln Ser
 1 5 10 15

 Met His Phe Arg Cys Cys Gly Arg Glu Ile Phe Gly Gly Ala Gly Thr
 20 25 30

 Ser Lys Thr Gly Ile Xaa Leu Lys Ser Gln
 35 40

<210> 441
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 441
 Met Thr Cys Phe Cys Gln Ile Lys Tyr Arg Tyr His Trp Gly Phe Leu
 1 5 10 15

 Phe

<210> 442
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 442
 Met Glu Lys Leu Leu Gln His Leu Gly Val Val Phe Leu Leu Asp Ile
 1 5 10 15

 Cys Arg Ser Tyr Leu Lys Val Thr Arg Asn Pro Glu Leu Ser Ile Cys
 20 25 30

 Glu Ala Ile Ser Ala Asn Ala Glu Leu Thr
 35 40

<210> 443
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 443
 Met Tyr Ala Phe Leu Gln Gly Phe Ile Phe Leu Leu Leu Phe Phe Phe
 1 5 10 15

Ile Ala Glu

<210> 444
<211> 124
<212> PRT
<213> Homo sapiens

<400> 444
Met Ala Asp Thr Ala Cys Asp Ser Asp Val Leu Leu Gln Leu Val Leu
1 5 10 15
Val Trp Leu Gly Glu Val Leu Gly Val Ile Gly Asp Cys Pro Glu Leu
20 25 30
Val Gln Arg Ser Phe Leu Val Ala Ser Val Leu Pro Gly Pro Asp Gly
35 40 45
Asn Ile Asn Ser Pro Thr Arg Asn Ala Asp Met Gln Glu Glu Leu Ile
50 55 60
Ala Ser Leu Glu Glu Gln Leu Lys Leu Ser Gly Glu His Ser Glu Ser
65 70 75 80
Ser Thr Pro Arg Pro Arg Ser Ser Pro Glu Glu Thr Ile Glu Pro Glu
85 90 95
Ser Leu His Gln Leu Phe Glu Gly Glu Ser Glu Thr Glu Ser Phe Tyr
100 105 110
Gly Phe Glu Glu Ala Asp Leu Asp Leu Met Glu Ile
115 120

<210> 445
<211> 2
<212> PRT
<213> Homo sapiens

<400> 445
Gly Ala
1

<210> 446
<211> 76
<212> PRT
<213> Homo sapiens

<400> 446
Leu Val Pro Leu Leu Pro Gly Pro Leu Val Arg Asn Cys Phe Cys Leu
1 5 10 15

His Val Gly Val Gly Ser Ser Val Gly Gly Gly Ala Pro Cys Pro Gly
20 25 30

Cys Arg Pro Ala Ser Cys Ala Arg Ala Pro Phe Arg Val Gly Leu Asp
35 40 45

His Pro Ser Pro His Gln Gly Pro His Cys Glu Val Ile Thr Ala Leu
50 55 60

Asn Pro Pro Leu Leu Phe Tyr Leu Leu Asn Leu Ile
65 70 75

<210> 447
<211> 203
<212> PRT
<213> Homo sapiens

<400> 447
Met Gly Ile Lys Thr Ala Leu Pro Ala Ala Glu Leu Gly Leu Tyr Ser
1 5 10 15

Leu Val Leu Ser Gly Ala Leu Ah Tyr Ala Gly Arg Gly Leu Leu Glu
20 25 30

Ala Ser Gln Asp Gly Ala His Arg Lys Ala Phe Arg Glu Ser Val Arg
35 40 45

Pro Gly Trp Glu Tyr Ile Gly Arg Lys Met As Val Ala Asp Phe Glu
50 55 60

Trp Val Met Trp Phe Thr Ser Phe Arg Asn Val Ile Ile Phe Ala Leu
65 70 75 80

Ser Gly His Val Leu Phe Ala Lys Leu Cys Thr Met Val Ala Pro Lys
85 90 95

Leu Arg Ser Trp Met Tyr Ala Val Tyr Gly Ala Leu Ala Val Met Gly
100 105 110

Thr Met Gly Pro Trp Tyr Leu Leu Leu Leu Gly His C Val Gly
115 120 125

Leu Tyr Val Ala Ser Leu Leu Gly Gln Pro Trp Leu Cys Leu Gly Leu
130 135 140

Gly Leu Ala Ser Leu Ala Ser Phe Lys Met Asp Pro Leu Ile Ser Trp
145 150 155 160

Gln Ser Gly Phe Val Thr Gly Thr Phe Asp Leu Gln Glu Val Leu Phe
165 170 175

His Gly Gly Ser Ser Phe Thr Cys Cys Val Ala Pro Ala Leu His Trp
180 185 190

Arg Ala Val Pro Thr Leu Thr Ala Thr Thr Pro

195

200

<210> 448
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 448
 Met Phe Ser Cys Phe Ser Leu Val Val Phe Ile Leu PheSer Leu Gly
 1 5 10 15
 Phe Phe Cys Asn Ala Phe Val Gln Leu Ile Leu Ser Cys
 20 25

<210> 449
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 449
 Val Lys Val Leu Trp Leu Ile Leu Phe Ile Leu Ser Cys Ser Leu Ala
 1 5 10 15
 Gly Tyr Trp Gln Thr Gln Ser Phe Cys Phe His Lys Glu Leu Met Lys
 20 25 30
 Arg Thr Ile Gly Glu Thr His Val Cys Leu
 35 40

<210> 450
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 450
 Met Ile Ser Met Cys Gln Met Leu Arg Thr Thr Val Met Thr His Leu
 1 5 10 15
 Trp Ile Val Thr Trp Ile Gln Arg Ser Trp Gln Glu Ser Gly Asp Ile
 20 25 30
 Arg Val

<210> 451
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 451

Met Gln Ser Trp Leu Trp Ala Ala Val Cys Ser Ala Gly Gs Pro Cys
1 5 10 15

Phe Trp Gly Met Lys Ala Leu
20

<210> 452

<211> 31

<212> PRT

<213> Homo sapiens

<400> 452

Met Leu Ser Pro Phe Thr Leu Leu Leu Ser Tyr Ala Thr Ile Val His
1 5 10 15

Phe Cys Met Pro Leu Ile Pro Phe Leu Leu Ile Leu Thr Ile Lys
20 25 30

<210> 453

<211> 107

<212> PRT

<213> Homo sapiens

<400> 453

Met Ala Gln Gln Asp Pro Gly Leu Pro Phe Leu Phe Trp Phe Ser Val
1 5 10 15

Ala Ser Leu Ile Thr Leu Phe His Leu Phe Leu Phe Lys Leu Ser Phe
20 25 30

Gly Gly Leu Gln Phe Thr Glu Asn His Leu Gln Phe Gln Ala Asp Pro
35 40 45

Asp Val Leu His Asn Ser Tyr Ala Leu His Gly Ile Arg Tyr Lys Asn
50 55 60

Asp His Ile Asn Leu Ala Val Leu Ala Asp Ala Glu Gly Lys Pro Tyr
65 70 75 80

Leu His Val Ser Val Glu Ser Arg Gly Gln Pro Val Lys Ile Tyr Ala
85 90 95

Cys Lys Gln Ala Ala Trp Thr Ser Gln Trp Ser
100 105

<210> 454

<211> 36

<212> PRT

<213> Homo sapiens

<400> 454
 Met Asn Ala Ala Val Leu Leu Thr Leu Val Phe Phe Leu Leu Leu Tyr
 1 5 10 15
 Leu Phe Tyr Leu Gly Val Leu Gly Ser Asp Pro Ala Tyr Leu Pro Leu
 20 25 30
 Leu Lys Lys Ser
 35

<210> 455
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 455
 Lys Ser Ile Leu Gly Ser His Ser
 1 5

<210> 456
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 456
 Met Ile Ser Met Lys Met Ile Leu Val Ile Leu Val Thr Leu Ala Leu
 1 5 10 15
 Pro Val Ala Gln Leu His Leu Leu Leu Leu Val Leu Lys Ile Gln
 20 25 30

<210> 457
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 457
 Phe Pro Tyr Ser
 1

<210> 458
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 458
 Met Val Phe Ser Cys His Leu Leu Phe Leu Ile Arg Cys Leu Tyr Ser
 1 5 10 15

Cys Gly His Leu Ser Ser Thr Leu Gln His Ile Ile
 20 25

<210> 459
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 459
 Met Val Cys Thr Tyr Phe Leu Pro Phe Cys Asn Val Phe Leu Cys Leu
 1 5 10 15
 Leu Phe Leu Trp Leu Cys Arg Ser Phe Phe Ile Cys Cys Asn Leu Ile
 20 25 30
 Phe Xaa Ser Leu Leu Phe Leu Leu Val Leu Leu Glu Ser Tyr Pro Lys
 35 40 45
 Asn His Cys Pro Val Gln Ser Gln Glu Thr Phe Pro Tyr Ile Phe Phe
 50 55 60
 Ser Ser Phe Ile Ile Leu Gly Leu Thr Cys Lys Ser Leu Ile Gln Phe
 65 70 75 80
 Glu Leu Ile Phe Val Tyr Gly Val Arg
 85

<210> 460
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 460
 Met Ala Arg Asn Val Trp Phe Phe Ile Val Ser Phe Cys Tyr Lys Phe
 1 5 10 15
 Leu Ser Tyr Phe Arg Ala Ser Ser Thr Leu Lys Val
 20 25

<210> 461
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 461
 Met Pro Leu Pro Ser Ser Gly Gln Phe

1 5

<210> 462
<211> 49
<212> PRT
<213> Homo sapiens

<400> 462
Met Leu Ala Trp Gln His Phe Gln Ile Ala Phe Cys Leu Leu Gly Ser
1 5 10 15
Trp Gly Phe Gly Gly Arg Gly Ser Ile Ser Thr Leu His Glu Ile Ala
20 25 30
Tyr Phe Ile Met Met Glu Leu Leu Phe Leu Leu Ser Cys Asp Phe Phe
35 40 45
Phe

<210> 463
<211> 68
<212> PRT
<213> Homo sapiens

<400> 463
Leu Ala Ser Gly Pro Gly Ala Thr Leu Arg Cys Leu Val Trp Leu Trp
1 5 10 15
Ser Leu Ser Leu Arg Ala Leu Leu Pro Leu Ser His Ala Val Trp Trp
20 25 30
Val Ile Leu Cys Pro Glu Pro Pro Pro Trp Thr Gly Pro Val Ser Arg
35 40 45
Ala Gly Thr Pro Cys Leu Phe Ser Leu Phe Arg His Asn Ser Arg Ser
50 55 60
Leu Ala Ser His
65

<210> 464
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring amino acids

<400> 464

Met Glu Gly Lys Leu Thr Thr Ser Lys Ile Leu Ile Val Gly Lys Val
1 5 10 15

Phe Trp Val Ser Cys Thr Leu Phe Tyr Ile Xaa Phe Phe
20 25

<210> 465

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring amino acids

<400> 465

Met Xaa Leu Gln Gly Leu Pro Gly Thr Ser Gly Thr Gly Leu Gly Cys
1 5 10 15

Leu Leu Cys Leu Val Leu Phe Leu Ser Ile Ala Val Thr Asn Lys Gly
20 25 30

Met Glu Glu Gln Ser Asp Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser
35 40 45

<210> 466

<211> 16

<212> PRT

<213> Homo sapiens

<400> 466

Met Ala Leu Arg Leu Ala Arg Met Trp Leu Ser Ser Leu Ala Ser Val
1 5 10 15

<210> 467

<211> 1

<212> PRT

<213> Homo sapiens

<400> 467

Ile
1

<210> 468
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 468
 Met Val Gln His Lys Thr Thr Phe Gln Val Leu PheLeu Phe Gly Val
 1 5 10 15
 Ser Phe Gln Val Phe Lys Cys Ile Ser Gln Pro Glu His Leu Phe Asn
 20 25 30
 His Ile His Gly Ser Leu Leu Asn Ala Glu Leu Leu HisMet Leu Asp
 35 40 45
 Leu Lys Ile Ile Ile Ile Glu Glu Thr Ile Gly Leu Val Val Pro Arg
 50 55 60
 Lys Val Ser Asp Val Tyr Val
 65 70

<210> 469
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 469
 Val Gln Thr Tyr Val Val Leu Leu His Phe Ala Leu Ser Cys Phe Ala
 1 5 10 15
 Asp Ile Val Phe Phe Thr Asn
 20

<210> 470
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 470
 Tyr Leu Leu Lys Ile Ser Leu Phe Leu Gly Ala Val Tyr Val Thr Leu
 1 5 10 15
 His Ser Ser Gly Ser Cys His Val Phe Met Ser Glu Tyr Phe Trp Phe
 20 25 30

<210> 471

<211> 32
 <212> PRT
 <213> Homo sapiens

<400> 471
 Lys Ala Ile Trp Phe Leu Ile Leu Cys Thr Thr His Ser Ile Leu Ile
 1 5 10 15
 Ile Thr Phe Ile Tyr Lys Lys Asn Lys Glu Asn Asn Ser Lys Leu Cys
 20 25 30

<210> 472
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 472
 Met Trp Ala Leu Lys Ser Leu Phe Leu Leu Thr Pro Ser Pro Val Ile
 1 5 10 15
 Arg Phe Tyr Phe Ala Ala Leu Trp Ile Arg Ala Ala Gly Arg Leu Leu
 20 25 30
 Gly Gly Gly Gly Ser Pro Thr Pro Pro Thr Ser Leu Ala Pro Gly Phe
 35 40 45
 Ser Glu Ala Gly Gly Leu Cys
 50 55

<210> 473
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 473
 Val Gly His Phe Trp Val Val Ile Trp Leu Val Arg Ser Met Ser Asp
 1 5 10 15
 Arg Met Asn Lys Asn Ala Leu
 20

<210> 474
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 474
 Met Gly Ile Phe Asp Tyr Lys Leu Phe Ser His Tyr Phe Lys Ala Cys

1 5 10 15
 Phe Ile Phe Phe Leu Ile Leu Leu Thr His Leu Cys Leu Ser Leu Phe
 20 25 30
 Tyr Tyr Lys Leu Phe Ile Val Gln Ser Leu Pro
 35 40

 <210> 475
 <211> 265
 <212> PRT
 <213> Homo sapiens

 <400> 475
 Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
 1 5 10 15
 Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
 20 25 30
 Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
 35 40 45
 Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
 50 55 60
 Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
 65 70 75 80
 Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
 85 90 95
 Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
 100 105 110
 Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
 115 120 125
 Gln Asp Ala Gly Ala Gly Cys Val Trp Gly Arg His Val Gly Gln Val
 130 135 140
 Asn Cys Gln Leu Pro Gly Gly Ala Ser Gly Lys Leu Trp Ala Leu Ser
 145 150 155 160
 Ser Asp Gly Lys Thr Gln Glu Asp Ser Gln Ala His Asn Arg Leu Phe
 165 170 175
 Ser Phe Cys Ala Gln His Arg Gln Gln Gln Glu Ala Gly Leu Arg Pro
 180 185 190
 Arg Leu Gln Pro Ala Phe Cys Thr Gln His Leu Leu Pro Ser Pro Lys
 195 200 205
 Ser Asp Ala Ala Thr Thr Leu Arg Asp Pro Ala Pro Asn Ala Val Gly
 210 215 220

Ala Pro Val Thr Leu Arg Lys Pro Val Pro Tyr Pro Trp Tyr Pro Arg
 225 230 235 240

Phe Pro Arg Ala Leu Gly Thr Thr Arg Lys Pro Pro Arg Tyr Phe Ser
 245 250 255

Gln Asn Arg Asn Ser Tyr Gly Thr Lys
 260 265

<210> 476
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 476
 Met Val Val His Ile Leu Trp Ser Trp Cys Cys Arg Gly Leu Ala Gly
 1 5 10 15

Thr Ala Ala Leu Pro Arg Val Leu Phe Tyr Phe
 20 25

<210> 477
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 477
 Met Ala Leu Cys Ser Leu Ala Val Phe Cys Pro Ser Thr Ile Leu Gly
 1 5 10 15

Cys Asp Leu Val Gln Leu Gly Pro Glu
 20 25

<210> 478
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 478
 Ile
 1

<210> 479
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 479

Met Leu Leu Val Ala Leu Pro Cys Phe Leu Gln Asn Cys Pro Trp Ser
 1 5 10 15
 Ser Arg Val Leu Glu Thr Leu Cys Leu Leu Asn Gly Pro Leu Phe Leu
 20 25 30
 Cys Cys Ala Leu Asp Gly
 35

<210> 480
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 480
 Lys Ser Gln Val Phe Ser Tyr Pro His Arg Tyr Leu Val Leu Asp Leu
 1 5 10 15
 Ala Leu Leu Phe Leu Met Gly Ile Leu Glu Ala Val Arg Leu Tyr Leu
 20 25 30
 Gly Thr Arg Gly Asn Leu Thr Glu Ala Glu Arg Pro Leu Ala Ala Ser
 35 40 45
 Leu Ala Leu Thr Ala Gly Thr Ala Leu Leu Ser Ala His Phe Leu Leu
 50 55 60
 Trp Gln Ala Leu Val Leu Trp Ala Asp Trp Ala Leu Ser Ala Thr Leu
 65 70 75 80
 Leu Ala Leu His Gly Leu Glu Ala Val Leu Gln Val Val Ala Ile Ala
 85 90 95
 Ala Phe Thr Arg Gly Phe Gly Gly Glu Val Arg Ala Lys Ala Gly Asp
 100 105 110
 Glu Thr Ala Gly Glu Arg Ala Ala Glu Gly His Ile Arg Ser Leu Arg
 115 120 125
 Pro Leu Gln Phe Tyr Gln Leu Leu Pro Phe Cys Thr Glu Leu Asn Lys
 130 135 140
 Phe
 145

<210> 481
 <211> 211
 <212> PRT
 <213> Homo sapiens

<400> 481
 Met Thr Thr Leu Thr Arg Gln Asp Leu Asn Phe Gly Gln Val Val Ala
 1 5 10 15

Asp Val Leu Cys Glu Phe Leu Glu Val Ala Val His Leu Ile Leu Tyr
 20 25 30
 Val Arg Glu Val Tyr Pro Val Gly Ile Phe Gln Lys Arg Lys Lys Tyr
 35 40 45
 Asn Val Pro Val Gln Met Ser Cys His Pro Glu Leu Asn Gln Tyr Ile
 50 55 60
 Gln Asp Thr Leu His Cys Val Lys Pro Leu Leu Glu Lys Asn Asp Val
 65 70 75 80
 Glu Lys Val Val Val Val Ile Leu Asp Lys Glu His Arg Pro Val Glu
 85 90 95
 Lys Phe Val Phe Glu Ile Thr Gln Pro Pro Leu Leu Ser Ile Ser Ser
 100 105 110
 Asp Ser Leu Leu Ser His Val Glu Gln Leu Leu Arg Ala Phe Ile Leu
 115 120 125
 Lys Ile Ser Val Cys Asp Ala Val Leu Asp His Asn Pro Pro Gly Cys
 130 135 140
 Thr Phe Thr Val Leu Val His Thr Arg Glu Ala Ala Thr Arg Asn Met
 145 150 155 160
 Glu Lys Ile Gln Val Ile Lys Asp Phe Pro Trp Ile Leu Ala Asp Glu
 165 170 175
 Gln Asp Val His Met His Asp Pro Arg Leu Ile Pro Leu Lys Thr Met
 180 185 190
 Thr Ser Asp Ile Leu Lys Met Gln Leu Tyr Val Glu Glu Arg Ala His
 195 200 205
 Lys Gly Ser
 210

<210> 482
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 482
 Met Leu Gln Thr Cys Ser Val Val Leu His Phe Ile Leu CysLeu Cys
 1 5 10 15
 Val Cys Val Phe Arg Leu Ile Gln Val Val Cys Tyr Ile Ser Cys Ile
 20 25 30
 Ile Tyr Lys Val Thr Gln Asn Ile Lys Ser Ser Lys Leu Val
 35 40 45

<210> 483
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 483
 Met Pro Asn Thr Phe Tyr Leu Ser Leu His Gly Ser Leu Val Asn Ser
 1 5 10 15
 Phe Ala Val Thr Ser Leu Ala Leu Leu Asn Pro Ser Ser Gly Val Ser
 20 25 30
 Tyr Ser Phe Leu Lys Asn Lys Trp Val Leu Thr Leu Val Ser Lys Ser
 35 40 45
 Leu Cys Asn Leu Val Pro Val Ser Leu Ser Leu Ser Leu Ser Leu Ser
 50 55 60
 Ala Ser Phe Val Leu Leu Gly Leu Ala Cys Arg Thr Leu Ala Phe Val
 65 70 75 80
 Lys Cys Pro Ser Ser Val Leu Phe Pro Pro Pro Gly Met Ser Val Ser
 85 90 95
 Leu Phe Leu Pro Thr His Ser Ala Pro Pro Ser Cys Lys Pro Leu Ser
 100 105 110
 Val Pro Ser Leu His Val Leu Trp Trp Gln
 115 120

<210> 484
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 484
 Met Leu Cys Val Leu Val Leu Phe Ile Leu Tyr Leu Pro Gly Phe Ser
 1 5 10 15
 Lys Ser Asn Gln Asp Val Pro Trp Gly Asp Ile Leu Cys
 20 25

<210> 485
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 485
 Met Leu Tyr Trp Gly Asn Val Ala Leu Val Leu Pro Thr Pro Tyr Leu
 1 5 10 15

His Leu Ser Leu Thr Leu Leu Leu Ser Pro Glu Trp Leu Gly Glu Met
20 25 30
Gly Arg Gly Leu Pro Trp Pro Gly His Leu Val Ala Ala Trp Leu Asp
35 40 45
His Ile Ala Asn Glu Leu Gly Arg Gly Ala Ile Phe
50 55 60

<210> 486
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring amino acids

<400> 486
Met Lys Gly His Ser Ser Lys Leu Phe Cys Leu Val Val Trp Gly Phe
1 5 10 15

Leu Cys Phe Leu Phe Leu Gly Cys Phe Phe Phe Asn Cys Leu Val Gln
20 25 30

Lys Lys Lys Glu Lys Lys Asn Xaa Gly Gly Ala Pro Glu Pro Asn Xaa
35 40 45

Pro

<210> 487
<211> 5
<212> PRT
<213> Homo sapiens

<400> 487
Trp Ala Ser Leu Thr
1 5

<210> 488
<211> 22
<212> PRT
<213> Homo sapiens

<400> 488
 Met Thr Cys Leu Ser Cys Leu Ile Ser Phe Leu Ala Ser Leu Ser Ala
 1 5 10 15

Asn Trp Ala Ser Thr Arg
 20

<210> 489
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 489
 Met Lys Pro Ser Trp Gln Leu Pro Ser Cys Ala
 1 5 10

<210> 490
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 490
 Met Lys Tyr Cys Phe Arg Pro Trp Val Leu Cys Asp Thr Thr Leu Gly
 1 5 10 15

Ile Gly Leu Phe Gly Phe Ala Leu Cys Phe
 20 25

<210> 491
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 491
 Leu Leu Val Leu Leu Gln Ile Met Lys Gly Asn Leu
 1 5 10

<210> 492
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 492
 Met Gly Gly Asp Gln Arg Ser Met Gly Leu Ala Cys Glu Ser Pro Leu
 1 5 10 15

Ala Ala Trp Ser Leu Gly Ile Thr Pro Ala Leu Val Leu Gln Met Leu
 20 25 30

Leu Gly Phe Ile Gly Ala Gly Pro Ser Arg Ala Gly Pro Leu Thr Leu
 35 40 45

Pro Ala Trp Leu His Ser Pro
 50 55

<210> 493
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 493
 Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
 1 5 10 15
 Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
 20 25 30
 Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
 35 40 45
 Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
 50 55 60
 Ser Gln Lys Ser Lys Cys Ser Phe Lys Cys Glu Tyr Phe Leu Lys Phe
 65 70 75 80
 Asp Ile Phe Phe Thr Phe Leu Pro Leu Cys Tyr Leu Thr Thr Cys Leu
 85 90 95
 Met Ile Pro Phe Leu Arg Ala Asn Ile Thr Asp Arg Arg Leu Gln Met
 100 105 110
 Lys Ile Ser Lys His Asn Tyr Phe
 115 120

<210> 494
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 494
 Met Gly Thr Ile Lys Pro Trp Lys Ser Ser Ala Val Val Gly Gly Pro
 1 5 10 15
 Gly His Gln Gly
 20

<210> 495
 <211> 425
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (274)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (278)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 495

Met Glu Leu Leu Pro Leu Trp Leu Cys Leu Gly Phe His Phe Leu Thr
1 5 10 15

Val Gly Trp Arg Asn Arg Ser Gly Thr Ala Thr Ala Ala SerGln Gly
20 25 30

Val Cys Lys Leu Val Gly Gly Ala Ala Asp Cys Arg Gly Gln Ser Leu
35 40 45

Ala Ser Val Pro Ser Ser Leu Pro Pro His Ala Arg Met Leu Thr Leu
50 55 60

Asp Ala Asn Pro Leu Lys Thr Leu Trp Asn His Ser Leu Gln Pro Tyr
65 70 75 80

Pro Leu Leu Glu Ser Leu Ser Leu His Ser Cys His Leu Glu Arg Ile
85 90 95

Ser Arg Gly Ala Phe Gln Glu Gln Gly His Leu Arg Ser Leu Val Leu
100 105 110

Gly Asp Asn Cys Leu Ser Glu Asn Tyr Glu Glu Thr Ala Ala Ala Leu
115 120 125

His Ala Leu Pro Gly Leu Arg Arg Leu Asp Leu Ser Gly Asn Ala Leu
130 135 140

Thr Glu Asp Met Ala Ala Leu Met Leu Gln Asn Leu Ser Ser Leu Arg
145 150 155 160

Ser Val Ser Leu Ala Gly Asn Thr Ile Met Arg Leu Asp Asp Ser Val
165 170 175

Phe Glu Gly Leu Glu Arg Leu Arg Glu Leu Asp Leu Gln Arg Asn Tyr

Val Leu Val Leu Ala Val Gln Leu Gly Gln Gln Val Leu Glu Cys Arg
 20 25 30
 Ala Val Leu Ala Gly Leu Arg Thr Pro Gly Gly Pro Cys Gly Leu Ser
 35 40 45
 Arg Arg Ser Trp
 50

<210> 497
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 497
 Met Gln Val Phe Glu Phe Phe
 1 5

<210> 498
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 498
 Met Arg Ser Val Pro Ala Ile Leu Gln Met Leu Trp Ile Leu Arg Arg
 1 5 10 15
 Ser Thr Asn Trp Thr Leu Tyr Leu Ile Leu His Gly Cys Pro Ala Val
 20 25 30
 Val Cys Ala Trp Pro Arg Gln His Ala Pro Trp Gly Met Val Arg Leu
 35 40 45
 Trp Val Pro Thr Ala Ala Pro Ala Ala Leu Ser Pro
 50 55 60

<210> 499
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 499
 Met Ala Phe Leu Pro Ser Pro Ala Trp Trp Ile Ser Leu Leu Pro Ser
 1 5 10 15
 Leu Leu Ser Ile Ala Arg Ser
 20

<210> 500
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 500
 Met Glu Gln Glu Pro Val Arg Arg Tyr Pp Leu Val Pro Leu Val Pro
 1 5 10 15
 Leu Val Val Val Ala Val Trp Gly Phe Phe Pro Gly Gly Ser Glu Ser
 20 25 30
 Ser Ser Ser Glu Leu Asp Ser Ile Ser Leu Ag Ser Ser Leu Asp Thr
 35 40 45
 Leu Pro Leu Glu Thr Ala Leu Gln Ala Ile Phe Thr Ile Lys
 50 55 60

<210> 501
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 501
 Leu Phe Val Phe Phe Cys Phe Val Leu Val Phe Phe Phe Phe Leu Ala
 1 5 10 15

<210> 502
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 502
 Met Leu Leu Leu Ser Ile Val Leu Leu Leu Ile Leu
 1 5 10

<210> 503
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 503
 Met Leu Met Ala Ser Ala Leu Ser Arg Cys Ala Gly Ala Ala Val Leu
 1 5 10 15
 Val Leu Leu Leu Trp Leu Ala Val Asp Trp Ala Leu Met
 20 25

<210> 504
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 504
 Met Lys Leu Phe Phe Cys Leu Cys Ala Gly Leu Ile Leu Glu Phe Gln
 1 5 10 15
 Lys Ala Leu Trp Glu Arg Lys Arg Leu Leu Asn Lys Val Trp Asn Arg
 20 25 30
 Ala Pro His Ser Asp Asn Met Gln Ser
 35 40

<210> 505
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 505
 Met Ser Ser Leu Leu Leu Ile Ile Ile Leu Ala Leu Ser Leu Ala Tyr
 1 5 10 15
 Glu

<210> 506
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 506
 Met Trp Met Ala Lys Pro Thr Cys Tyr Leu Ala Leu Thr Gly Trp Ser
 1 5 10 15
 Cys Trp Arg Thr Cys Trp Glu Arg Ser Gly Trp Ala Leu Tyr Leu Gln
 20 25 30
 Pro

<210> 507
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 507
 Ala Pro Leu Cys His Cys Pro Tyr Phe Gly Phe Cys Lys His Pro Leu

1 5 10 15
 Arg Leu Val Ser Ser Leu Gly Lys Gln Ala Ser Thr Ser
 20 25

<210> 508
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 508
 Met Gly Phe His Leu Leu Leu Gly Leu Val Asn Leu Leu Gly Leu Val
 1 5 10 15
 Asn Cys Phe Leu Leu Gly Lys Pro Asn Tyr Leu Ser Leu Ile Val Ser
 20 25 30
 Ile Val Ala Pro Leu Thr Phe Leu Phe Ser Phe Ile Ser Asn Ile Lys
 35 40 45
 Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser
 50 55 60

<210> 509
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 509
 Met Ser Leu Thr Thr Leu Trp Thr Leu Asp Lys Leu Leu Cys Val
 1 5 10 15
 Cys Xaa Leu Ile Cys Lys Met Lys Ile Ile Ser Val Ser Tyr Arg Tyr
 20 25 30
 Ser Leu Asn Arg Asp Asn Tyr Thr Tyr Phe Lys Val Val Lys Tyr Thr
 35 40 45
 Ile Thr Thr Arg
 50

<210> 510
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 510
Met Leu Leu Cys Pro Asn Leu Arg Asn Pro Leu Ile Trp Gly Leu Ile
1 5 10 15
Leu Leu Thr His Ala Ile Ser Val Ser Val Ala Ser Phe Tyr Tyr Ile
20 25 30
Ile Leu Val Lys Ser Lys Leu Tyr His Val
35 40

<210> 511
<211> 41
<212> PRT
<213> Homo sapiens

<400> 511
Met Pro Phe Pro Trp Ser Phe Arg Leu Leu Met Leu Leu Ser Thr Ala
1 5 10 15
Gln Ser Pro Gln Pro Gln Lys Arg Phe Pro Leu His Ser Thr Pro Leu
20 25 30
Gln Ser Asn Phe Pro Leu Ser Lys Cys
35 40

<210> 512
<211> 62
<212> PRT
<213> Homo sapiens

<400> 512
Glu Ala Phe Cys Phe Leu Arg Ser Tyr Phe Cys Tyr Ser Cys Asn Ala
1 5 10 15
Pro Pro Tyr Met Pro His Leu Cys Glu Ser Thr Gly Ile Arg Phe Gly
20 25 30
His His Thr Cys Leu Lys Leu Gly Ser Val Cys Ser Val Phe Cys Val
35 40 45
Glu Trp Arg Lys Lys Arg Leu Pro Cys Cys Leu Pro Cys Ser
50 55 60

<210> 513
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)

<223> Xaa equals any of the naturally occurring amino acids

<400> 513

Met Ser Pro Ser Leu Leu Leu Thr Cys Ile Ile Gly Arg Leu Ile Ile
1 5 10 15

Pro Pro Ser Leu Lys Ser Pro Xaa Ser
20 25

<210> 514

<211> 46

<212> PRT

<213> Homo sapiens

<400> 514

Met Ala Leu Leu Trp Gln Ile Asn Trp Thr Ile Ala Glu Ala Phe Leu
1 5 10 15

Arg Gly Asp Ile Thr Asp Ser Thr Ala Leu Trp Ser Trp Ala Ala Thr
20 25 30

Ser Arg Thr Ser Leu Trp Ser Thr Val Thr Ser Pro Ala Leu
35 40 45

<210> 515

<211> 11

<212> PRT

<213> Homo sapiens

<400> 515

Met Arg Trp Asn Leu Leu Leu Val Lys Leu Leu
1 5 10

<210> 516

<211> 24

<212> PRT

<213> Homo sapiens

<400> 516

Met Leu Phe Phe Pro Leu Val Leu Leu Pro Cys Val Phe Leu Ser Tyr
1 5 10 15

Ser Lys Arg Arg Arg Ala Gln Gly
20

<210> 517

<211> 235

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 517
 Met Gly Leu Pro Gly Leu Phe Cys Leu Ala Val Leu Ala Ala Ser Ser
 1 5 10 15
 Phe Ser Lys Ala Arg Glu Glu Glu Ile Thr Pro Val Val Ser Ile Ala
 20 25 30
 Tyr Lys Val Leu Glu Val Phe Pro Lys Gly Arg Trp Val Leu Ile Thr
 35 40 45
 Cys Cys Ala Pro Gln Pro Pro Pro Pro Ile Thr Tyr Ser Leu Cys Gly
 50 55 60
 Thr Lys Asn Ile Lys Val Ala Lys Lys Val Val Lys Thr His Glu Pro
 65 70 75 80
 Ala Ser Phe Asn Leu Asn Val Thr Leu Lys Ser Ser Pro Asp Leu Leu
 85 90 95
 Thr Tyr Phe Cys Arg Ala Ser Ser Thr Ser Gly Ala His Val Asp Ser
 100 105 110
 Ala Arg Leu Gln Met His Trp Glu Leu Trp Ser Arg Gln Arg Gly Arg
 115 120 125
 Pro Gln Gly Gly Asp Asp Leu Pro Gly Val Leu Gly Gln Pro Thr Tyr
 130 135 140
 His Gln Gln Pro Asp Arg Glu Gly Trp Ala Gly Pro Pro Ala Ala Glu
 145 150 155 160
 Thr Met Pro Gln Ala Ala Cys Gln Leu Leu Leu Pro Ala Glu Pro Asp
 165 170 175
 Ile Gly Leu Val Leu Val Pro Gly Cys Lys Gln Arg Gln Cys Pro Ala
 180 185 190
 Gln Arg Pro His Ser Gly Ala Pro Arg Arg Val Xaa Gln Gly Thr His
 195 200 205
 His Arg Ala Gly Trp Gln Pro Cys Leu His Cys Gly His His Leu Gln
 210 215 220
 Asp Ala Gly Leu Asp Pro Arg Gly Pro Arg Trp
 225 230 235

<210> 518
 <211> 9
 <212> PRT

<213> Homo sapiens

<400> 518

Met Ala Ser Gly Ser Lys Ile Ser Ser
1 5

<210> 519

<211> 11

<212> PRT

<213> Homo sapiens

<400> 519

Met His Phe His Ala Asp Tyr Met His Gly Cys
1 5 10

<210> 520

<211> 69

<212> PRT

<213> Homo sapiens

<400> 520

Met Val Pro Thr Pro Gly Trp Val Gly Phe Phe Val Phe Trp Val
1 5 10 15

Phe Leu Gly Gly Gly Leu Phe His Val Thr Ser Ile Ser Val Phe Ile
20 25 30

Ser Tyr Leu Phe His Phe Gln Val Tyr His Gly Lys Cys Thr Asp Phe
35 40 45

Phe Val Asn Asn Val Leu Gly Phe Ala Lys Lys Glu Lys Lys Lys Thr
50 55 60

Leu Leu Ser Leu Pro
65

<210> 521

<211> 36

<212> PRT

<213> Homo sapiens

<400> 521

Met Phe Leu Leu Thr Ile Gly Lys Ile Glu Lys AlaLeu Cys Phe Leu
1 5 10 15

Phe Phe Cys Cys Cys Cys His Cys Cys Phe Phe Gln Lys Thr Ser Val
20 25 30

Ser Val Leu Ser
35

<210> 522
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 522
 Asp Phe Leu Phe Phe Phe Pro Pro Cys Gly Ser His Cys Phe Leu Ser
 1 5 10 15
 Cys Leu Tyr Leu Ser Leu Cys Leu Ser Ser Ser Phe Pro Gln Met Ser
 20 25 30
 Gln Leu Ser Leu Pro Asn Phe Pro Ile
 35 40

<210> 523
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 523
 Met Arg Gln Gln Gln Thr His Leu Ala Ala Gly Val Leu Phe Cys Cys
 1 5 10 15
 Arg Leu Thr Phe Ser Ser Ser Val Ser Gly Lys Ser Gly
 20 25

<210> 524
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 524
 Met Met Asn Val Ser Leu Glu Ile Tyr Phe Val Val Phe Leu Ser Leu
 1 5 10 15
 Phe Cys Val Val Leu Pro Leu His Ala Leu Phe Leu Lys Ser Phe Phe
 20 25 30
 Phe Leu Asp Phe Ala Cys Phe Gln Ile Leu
 35 40

<210> 525
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 525
 Met Thr Thr Phe Leu Leu Leu Leu Leu Val Ser Ile Phe Ser Ser

1	5	10	15
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Val Asn Cys Gly
20

<210> 526
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 526
 Met Arg Ile Ala Ser Phe Cys Trp Glu Asp Arg Ile Phe His Ser Lys
 1 5 10 15

Phe

<210> 527
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 527
 Met Val Val Val Thr Leu Met Leu Phe Leu
 1 5 10

<210> 528
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 528
 Leu Glu Ala Pro Ser Met Lys Thr Asp Thr Arg Thr Ile Phe Val Ala
 1 5 10 15

Ile Phe Ser Cys Ile Ser Ile Leu Leu Leu Phe Leu Ser Val Phe Ile
 20 25 30

Ile Tyr Arg Cys Ser Gln His Gly Glu Leu Arg Glu Arg Lys Gly Arg
 35 40 45

Glu Gly Glu
 50

<210> 529
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 529

Leu Pro Cys Leu Ala Gly Cys Arg Val Lys Phe Met Ile Met Lys
1 5 10 15

<210> 530

<211> 32

<212> PRT

<213> Homo sapiens

<400> 530

Met Glu Lys Gly Ala Ala Lys Lys Asn Phe Trp Val Gln Gly Thr Val
1 5 10 15

Tyr Leu Leu Leu Leu Phe Met Pro Val Ala Gly Gs Pro Thr Thr Leu
20 25 30

<210> 531

<211> 22

<212> PRT

<213> Homo sapiens

<400> 531

Met Val Pro Ser Leu Asn Leu Tyr Leu Leu Val Ser Trp Asp Thr Leu
1 5 10 15

Leu Glu Asn Phe Leu Met
20

<210> 532

<211> 66

<212> PRT

<213> Homo sapiens

<400> 532

Phe Tyr Leu Leu Val Leu Val Phe Leu Asn Ser Ile Phe Ala Glu Leu
1 5 10 15

Ser Leu Phe Leu Pro Cys Leu Ser Pro Val Cys Leu Ser Phe Val Val
20 25 30

Asp Ile Val Leu Ser Ser Pro Lys Tyr Leu Ser Leu Glu Thr Tyr Ser
35 40 45

Lys Arg Ile Leu Phe Ser Met Ser Val Phe Leu Leu Cys Cys Pro Pro
50 55 60

Cys Leu
65

<210> 533
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 533
 Asp Ile
 1

<210> 534
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 534
 Met Phe Glu Asp Asn Lys Trp Trp Cys Ile Leu Phe Leu Ile Arg
 1 5 10 15

<210> 535
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 535
 Met Arg Cys Ala Arg His Trp Lys Trp Leu Leu Leu Cys Phe Trp Gly
 1 5 10 15
 Gln Leu Ile Cys Arg Arg Leu Trp Arg Arg Ser Gly Arg Gly Lys Cys
 20 25 30
 Phe Leu Cys Cys Leu His Arg Glu
 35 40

<210> 536
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 536
 Met Asn Val Ile Ile Val Leu Val His Ala Leu Cys Pro Trp Cys Arg
 1 5 10 15
 Gly Cys Pro His Trp Gly Pro Leu Val Pro Pro
 20 25

<210> 537

<211> 31
 <212> PRT
 <213> Homo sapiens

<400> 537
 Met Ala Ser Val Phe Leu Leu Leu Tyr Leu Glu Leu Phe Cys Gln Pro
 1 5 10 15
 Phe Pro Ser Thr Leu Gly Ala Cys Lys Ser Arg Gly Ala Leu Phe
 20 25 30

<210> 538
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Ala Phe Gln Ser Leu Leu Glu Met Lys Phe Phe Leu Cys Ala Ala
 1 5 10 15
 Phe Pro Leu Gly Ala Gly Val Lys Met Phe His Tyr Leu Gly Pro Gly
 20 25 30
 Lys Pro Leu Pro Gln Ala Ser Pro Ser Pro His Pro His Arg Asn Arg
 35 40 45
 Ile Trp Pro
 50

<210> 539
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 539
 Met Val Lys Thr Val Ile Trp Gly His His Gln Met Met Trp Thr Phe
 1 5 10 15
 Leu Gln Val Phe Trp His Thr Gln Ala Ser Cys His Trp Cys Ile Phe
 20 25 30
 Gln Leu Thr Ser Gly Asp Asp Arg Asn Ser Leu Gln Gly Leu Ser Ile
 35 40 45
 Trp Asp Gly Tyr Ile Lys Arg Glu Thr Asn Trp Ser Lys Ser Pro Glu
 50 55 60
 Arg Lys Ser His Ser Thr Asp Leu Ala Ser Val Leu Lys Asn Ser Asn
 65 70 75 80
 Tyr Ile

<210> 540
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 540
 Met Glu Ile Tyr Val Ser Leu Gly Ile Val Gly Leu Ala Ile Leu Ala
 1 5 10 15
 Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser AspSer Leu Thr Trp
 20 25 30
 Arg Glu Phe His Tyr Ile Gln Val Asn Asn Ile
 35 40

<210> 541
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 541
 Met Leu Leu Val Ser Cys Cys Leu Ala Gly His Ile Cys Val Trp Asp
 1 5 10 15
 Ala Gln Thr Gly Asp Cys Leu Thr Arg Ile Pro Arg Pro Gly Arg Gln
 20 25 30
 Arg Arg Gly Gln Trp Arg Gly Gln Arg Ala
 35 40

<210> 542
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 542
 Met Ser Met Ser Cys Pro Trp Leu Gly Thr Trp Ala Val Val Cys Ala
 1 5 10 15
 Ser Pro Arg Gln Arg Asn Asp Ser Gln Gly Thr Asp Ala Arg Gly Gly
 20 25 30
 Asn Arg Ala Asp Gln Arg Leu Pro Gly His Lys Arg Asn Leu Glu Glu
 35 40 45
 Arg Thr Pro Ala Glu Gln Thr
 50 55

<210> 543

<211> 14
 <212> PRT
 <213> Homo sapiens

<400> 543
 Met Ala His Trp His Val Phe Tyr Val Phe Ser Cys His Ser
 1 5 10

<210> 544
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 544
 Met Cys Arg Tyr Leu Pro Leu Met Leu Phe Met Thr Met Cys Arg Phe
 1 5 10 15

 Leu Leu Gly Leu Phe Ala Val Gly Trp
 20 25

<210> 545
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 545
 Met Met Val Thr Arg Leu Pro Cys Trp Ala Gly Val Leu Pro Pro Val
 1 5 10 15

 Pro Leu Leu Leu Ala Cys Met Thr Ser Thr Ala Arg Pro Trp Ala Gln
 20 25 30

 Ala Pro Cys Pro Phe Ser Thr Ala Pro Leu Ser Arg Gln
 35 40 45

<210> 546
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 546
 Met Ala Val Gly Ser Cys Ser Pro Ile Leu Ser LeuLeu Gly Pro Gly
 1 5 10 15

 Ile Leu Ala Pro Leu Ser Ala Leu Pro Leu Ile Ser Val Pro
 20 25 30

<210> 547
 <211> 5

<212> PRT
<213> Homo sapiens

<400> 547
Asn Asn Arg Tyr Val
1 5

<210> 548
<211> 65
<212> PRT
<213> Homo sapiens

<400> 548
Met Leu His Thr Met Arg Asn Val Arg Gly Cys Val Cys Val Cys Val
1 5 10 15
Cys Val Cys Val Cys Val Ser Glu Gly His Leu Leu Asn Gly Thr Pro
20 25 30
Lys Asn Thr Ile Val Phe Val Phe Ala Val Val Arg Gly Leu Asn Lys
35 40 45
Cys Lys Leu Ala Gln Glu Met Leu Asp Leu Arg Gly Leu Glu Arg Pro
50 55 60
Asp
65

<210> 549
<211> 26
<212> PRT
<213> Homo sapiens

<400> 549
Met Phe Phe Leu Leu Leu Leu Met Leu Leu Pro His Cys Leu Asn Tyr
1 5 10 15
Tyr Ile Leu Leu Thr Asn Leu Thr Phe Trp
20 25

<210> 550
<211> 6
<212> PRT
<213> Homo sapiens

<400> 550
Met Leu Leu Pro Leu Leu
1 5

<210> 551
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 551
 Met Leu Pro Pro Leu Leu Glu Trp Ala Val Phe Val Pro Leu Ser Gln
 1 5 10 15
 Leu Leu Leu

<210> 552
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 552
 Met Phe Phe Leu Ile Lys Val Pro Leu Asn Trp Pro Leu Tyr Gln Pro
 1 5 10 15
 Leu Val Leu Ala Lys Cys Pro Lys His Ala Leu Gly Pro Arg His Val
 20 25 30
 Thr Ile His Arg Leu Ser Val
 35

<210> 553
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 553
 Ile Asn Ser Trp Lys Arg Pro Val Asn Ala Ser Cys Phe Cys Ile Cys
 1 5 10 15
 Val Leu Arg Trp Ala Leu Trp Phe Leu Cys Thr Gln Ser Thr Phe Leu
 20 25 30
 Val Ile Thr Ile Val Ile Phe Ile Val Met Thr Ala Pro Glu Leu Trp
 35 40 45

<210> 554
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 554

Gly Gln Leu Arg Trp Ser Ser Leu Val Ser Gln Phe Ala Cys Leu Phe
 1 5 10 15

Ile Leu Phe Ser Ala Lys Cys Ile Pro Phe
 20 25

<210> 555
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 555
 Met Val Leu Ala Leu Ala Val Phe Thr Leu Leu Ala Ser Val Cys Cys
 1 5 10 15

Gln Leu His Ser His Ser Phe Tyr Pro Cys Met Ser Cys Phe Tyr Ser
 20 25 30

Ser Leu Ser Phe
 35

<210> 556
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 556
 Met Trp Leu Leu Trp Gln Pro Tyr Leu Ala Gly Phe Leu Leu Gln Val
 1 5 10 15

Leu Glu Gly Arg Val Ala Gln Ser Gln Ala Glu Ala Asp Ser Gly Val
 20 25 30

Leu Gly Ala Gly Gly Thr Thr Pro Ala Gly Gly Arg Arg Gly Leu Cys
 35 40 45

Gln Gln Ser Glu Gln Pro Arg Gly Pro Ile Pro His Ile Leu Gln Val
 50 55 60

<210> 557
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 557
 Phe
 1

<210> 558
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 558
 Met Leu Ser Gly Ser Ser Arg Gly Ser Gln Gly Ser Leu Asn Leu His
 1 5 10 15
 Val Cys Leu Trp Leu Pro Pro Gln Pro Pro Leu His Pro Ser Tyr Ser
 20 25 30
 Phe Ser Phe Phe Leu Gln Phe Trp Glu
 35 40

<210> 559
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 559
 Met Trp Gly Leu Val Ser Ala Leu Ala Ala Thr Leu Cys ~~Re~~ Ser Leu
 1 5 10 15
 Gln Asn Ile Phe Ser Lys Lys Val Leu Arg Asp Ser Arg Ile His His
 20 25 30
 Leu Arg Leu Leu Asn Ile Leu Gly Cys His Ala Val Phe Phe ~~Met~~ Ile
 35 40 45
 Pro Thr Trp Val Leu Val Asp Leu Ser Ala Phe Leu Val Ser Ser Asp
 50 55 60
 Leu Thr Tyr Val Tyr Gln Trp Pro Trp Thr Leu Leu Leu Leu Ala Val
 65 70 75 80
 Ser Gly Phe Cys Asn Phe Ala Gln Asn Val Ile Ala Phe Ser Ile Leu
 85 90 95
 Asn Leu Val Ser Pro Leu Ser Tyr Ser Val Ala Asn Ala Thr Lys Arg
 100 105 110
 Ile Met Val Ile Thr Val Ser Leu Ile Met Leu Arg Asn Pro Val Thr
 115 120 125
 Ser Thr Asn Val Leu Gly Met Met Thr Ala Ile Leu Gly Val Phe Leu
 130 135 140
 Tyr Asn Lys Thr Lys Tyr Asp Ala Asn Gln Gln Ala Arg Lys His Leu
 145 150 155 160
 Leu Pro Val Thr Thr Ala Asp Leu Ser Ser Lys Glu Arg His Arg Ser
 165 170 175

Pro Leu Glu Lys Pro His Asn Gly Leu Leu Phe Pro Gln His Gly Asp
180 185 190

Tyr Gln Tyr Gly Arg Asn Asn Ile Leu Thr Asp His Phe Gln Tyr Ser
195 200 205

Arg Gln Ser Tyr Pro Asn Ser Tyr Ser Leu Asn Arg Tyr Asp Val
210 215 220

<210> 560
<211> 47
<212> PRT
<213> Homo sapiens

<400> 560
Met Thr Leu Thr Ala Trp Thr Gly Ala Cys Trp Pro SerPhe Thr Trp
1 5 10 15

Leu Met Pro Arg Thr Ser Trp Arg Met Leu Leu Leu Leu Phe Trp Thr
20 25 30

Ser Ser Met Ile Trp Leu Pro Arg Glu Cys Gly Ser Phe SerThr
35 40 45

<210> 561
<211> 24
<212> PRT
<213> Homo sapiens

<400> 561
Met Gly Glu Leu Leu Trp Leu Val Ile Leu Cys Ala His Ile Ile Val
1 5 10 15

Ala Thr His His Cys Trp Glu Asn
20

<210> 562
<211> 8
<212> PRT
<213> Homo sapiens

<400> 562
Met Phe Gln Arg Leu Leu Lys Tyr
1 5

<210> 563
<211> 27
<212> PRT

<213> Homo sapiens

<400> 563

Gly Val Ser Val Ile Ile Ser Leu Leu Ile Ser Ser Ser Glu Asp Cys
1 5 10 15

Tyr Gln Ser Leu Gly Leu Glu Val Gln Ile Ile
20 25

<210> 564

<211> 55

<212> PRT

<213> Homo sapiens

<400> 564

Met Ser Ala Cys Leu Pro Gly Ser Leu Phe Leu Leu Phe Pro Pro Ala
1 5 10 15

Gly Arg Tyr Gln Arg Arg Gly His Pro Ser Arg Pro Gly Met Gly Arg
20 25 30

Lys Glu Val Thr Ala Lys Ala Val Glu Trp Gly Trp His Gln Pro Leu
35 40 45

Val Cys Phe Pro Cys Gly Ser
50 55

<210> 565

<211> 24

<212> PRT

<213> Homo sapiens

<400> 565

Met Ser Ile Trp Leu Met His Phe Cys Leu Leu Val Leu Gly Lys Arg
1 5 10 15

Met Ser Ile Leu Asp Val Lys Leu
20

<210> 566

<211> 32

<212> PRT

<213> Homo sapiens

<400> 566

Ala Pro Arg Phe Pro Ser Leu Leu Val Leu Leu Pro Gly Ile Leu Phe
1 5 10 15

Pro Gly Leu Ser Gly His Cys Phe Val Ser Gly Phe Phe Thr Leu Leu
20 25 30

<210> 567
<211> 6
<212> PRT
<213> Homo sapiens

<400> 567
Met Tyr Phe Trp Cys Cys
1 5

<210> 568
<211> 36
<212> PRT
<213> Homo sapiens

<400> 568
Met Phe Cys His Cys Ile Val Cys Leu Leu Leu Val Leu Trp Ser Ser
1 5 10 15
Leu Pro Phe Phe Ile Pro Ser Phe Leu Leu Leu Lys Val Ile Leu Ser
20 25 30
Cys Gly Met Ile
35

<210> 569
<211> 9
<212> PRT
<213> Homo sapiens

<400> 569
Leu Lys Ile Leu Phe Leu Ile Glu Val
1 5

<210> 570
<211> 27
<212> PRT
<213> Homo sapiens

<400> 570
Met Thr Ser Ser Val Ala Cys Pro Gly Ala Arg Val Cys Leu Ala Gly
1 5 10 15
Ser Trp Pro Ala Ala Ser Ser Ser Pro Cys Trp
20 25

<210> 571
<211> 34
<212> PRT
<213> Homo sapiens

<400> 571
Phe Gly Tyr Phe Trp Tyr Arg Trp Pro Leu Gly Trp Ile Phe Leu His
1 5 10 15

Ser Val Pro Gln Leu Gln Glu Gly Val Pro Leu Val Cys Glu Tyr Val
20 25 30

Cys Leu

<210> 572
<211> 18
<212> PRT
<213> Homo sapiens

<400> 572
Leu Ala Thr Leu Leu Leu Arg Leu Leu Leu Ser Leu Gly Thr Gly Cys
1 5 10 15

Gln Arg

<210> 573
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring amino acids

<400> 573
Asp Gln Phe Ser Thr Ala Val Arg His Arg Val Pro Ala Gly His Trp
1 5 10 15

Gln Val Ala Gly Ser Thr Pro Thr Pro Cys Pro Xaa Asn Pro Asp Leu
20 25 30

Xaa Pro Gly Lys Glu Arg Glu Gly Pro Val Ser
35 40

<210> 574
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 574
 Cys Val Glu Thr Pro Arg Pro Gly Phe Cys Gln Lys Ala Pro Trp Tyr
 1 5 10 15
 Gln Pro Gly Lys Ser Ala Thr Lys Pro Thr Thr Thr Arg Glu Glu Thr
 20 25 30
 Ile Pro Ser Lys Phe Thr Ser Pro Asn Thr Asn Leu Pro Lys Leu Asn
 35 40 45
 Arg Leu Gln Pro Leu Cys Pro Asp Pro Thr Leu Thr Ala Phe Pro Phe
 50 55 60
 Thr Gln Ile Trp Ala Phe Trp Gln Lys Val Leu Arg Leu Trp Gly Lys
 65 70 75 80
 Arg Arg Ala Val Met Ala Leu Arg Trp Val Ser Tyr Ser Pro Glu Glu
 85 90 95
 Ile Gly Leu Phe Tyr Ala Leu Pro Tyr Ile Arg Asn Tyr Ile Gln Asp
 100 105 110
 Ala Ile Leu Arg His
 115

<210> 575
 <211> 281
 <212> PRT
 <213> Homo sapiens

<400> 575
 Met Ala Glu Ala Leu Leu Leu Arg Ala Thr Phe Tyr Leu Leu Ile Gly
 1 5 10 15
 Asn Ala Asn Ala Ala Lys Pro Asp Leu Asp Lys Val Ile Ser Leu Lys
 20 25 30
 Glu Ala Asn Val Lys Leu Arg Ala Asn Ala Leu Ile Lys Arg Gly Ser
 35 40 45
 Met Tyr Met Gln Gln Gln Gln Pro Leu Leu Ser Thr Gln Asp Phe Asn
 50 55 60
 Met Ala Ala Asp Ile Asp Pro Gln Asn Ala Asp Val Tyr His His Arg
 65 70 75 80
 Gly Gln Leu Lys Ile Leu Leu Asp Gln Val Glu Glu Ala Val Ala Asp
 85 90 95

Phe Asp Glu Cys Ile Arg Leu Arg Pro Glu Ser Ala Leu Ala Gln Ala
 100 105 110
 Gln Lys Cys Phe Ala Leu Tyr Arg Gln Ala Tyr Thr Gly Asn Asn Ser
 115 120 125
 Ser Gln Ile Gln Ala Ala Met Lys Gly Phe Glu Glu Val Ile Lys Lys
 130 135 140
 Phe Pro Arg Cys Ala Glu Gly Tyr Ala Leu Tyr Ala Gln Ala Leu Thr
 145 150 155 160
 Asp Gln Gln Gln Phe Gly Lys Ala Asp Glu Met Tyr Asp Lys Cys Ile
 165 170 175
 Asp Leu Glu Pro Asp Asn Ala Thr Thr Tyr Val His Lys Gly Leu Leu
 180 185 190
 Gln Leu Gln Trp Lys Gln Asp Leu Asp Arg Gly Leu Glu Leu Ile Ser
 195 200 205
 Lys Ala Ile Glu Ile Asp Asn Lys Cys Asp Phe Ala Tyr Glu Thr Met
 210 215 220
 Gly Thr Ile Glu Val Gln Arg Gly Asn Met Glu Lys Ala Ile Asp Met
 225 230 235 240
 Phe Asn Lys Ala Ile Asn Leu Ala Lys Ser Glu Met Glu Met Ala His
 245 250 255
 Leu Tyr Ser Leu Cys Asp Ala Ala His Ala Gln Thr Glu Val Ala Lys
 260 265 270
 Lys Tyr Gly Leu Lys Pro Pro Thr Leu
 275 280

<210> 576
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 576
 Met His Leu Cys Leu Leu Trp Gln Leu His Tyr Val Val Gly Asp Val
 1 5 10 15
 Asp Ala Glu Pro His Ile Leu Ser Ser Cys Leu Cys Tyr Ser Pro Leu
 20 25 30
 Cys Phe Thr Phe Ser Asn Glu Cys Gln Ala Gly Asp He Gln Ile Gln
 35 40 45
 Lys Phe
 50

<210> 577
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 577
 Met Val Tyr Ile Tyr Tyr Leu Tyr Phe Leu Thr Phe Tyr Tyr Leu Leu
 1 5 10 15
 Asn Pro Leu His Gln Thr Thr Thr Tyr Gly Thr Ser Gln Gly Ser Ser
 20 25 30
 Leu Gly Ala Leu Phe Phe Lys Tyr Ser Val Leu Met Lys Asn Lys Phe
 35 40 45
 Asn Ile
 50

<210> 578
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 578
 Met Phe Asp Ser Thr Pro Val Leu Val Ala Leu Phe Leu His Pro Arg
 1 5 10 15
 Leu Gly Ala Ser Tyr Ser Leu Cys Leu Gln His Ser Ser Ser Pro Cys
 20 25 30
 Leu Pro Xaa Ser
 35

<210> 579
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 579
 Met Ser His Ser Leu Ser Val Ala Cys Val Tyr
 1 5 10

<210> 580
 <211> 4

<212> PRT
<213> Homo sapiens

<400> 580
Leu Asp Phe Cys
1

<210> 581
<211> 41
<212> PRT
<213> Homo sapiens

<400> 581
Met Tyr Asn His Leu Ser Leu Asn Cys Thr Leu Pro Leu Phe Ile Cys
1 5 10 15
Ala Leu Phe Leu Val Tyr Ser Val Ile Ile Pro His Leu Lys Asn Lys
20 25 30
Asn His Tyr Cys Tyr Ile Leu Leu Ile
35 40

<210> 582
<211> 46
<212> PRT
<213> Homo sapiens

<400> 582
Met Met Ala Ile Pro Tyr Phe Ile Leu Ala Glu Leu Asn Phe Ile Phe
1 5 10 15
Leu Cys Ile Leu Leu Pro Asp Asp Leu Gly Gly Lys Ser Arg Leu Val
20 25 30
Lys Ala Asn His Gly Ser Ser Ile Leu Met Ile Leu Leu Gly
35 40 45

<210> 583
<211> 348
<212> PRT
<213> Homo sapiens

<400> 583
Met Asn Met Thr Gln Ala Arg Val Leu Val Ala Ala Val Val Gly Leu
1 5 10 15
Val Ala Val Leu Leu Tyr Ala Ser Ile His Lys Ile Glu Glu Gly His
20 25 30
Leu Ala Val Tyr Tyr Arg Gly Gly Ala Leu Leu Thr Ser Pro Ser Gly
35 40 45

Pro Gly Tyr His Ile Met Leu Pro Phe Ile Thr Thr Phe Arg Ser Val
 50 55 60
 Gln Thr Thr Leu Gln Thr Asp Glu Val Lys Asn Val Pro Cys Gly Thr
 65 70 75 80
 Ser Gly Gly Val Met Ile Tyr Ile Asp Arg Ile Glu Val Val Asn Met
 85 90 95
 Leu Ala Pro Tyr Ala Val Phe Asp Ile Val Arg Asn Tyr Thr Ala Asp
 100 105 110
 Tyr Asp Lys Thr Leu Ile Phe Asn Lys Ile His His Glu Leu Asn Gln
 115 120 125
 Phe Cys Ser Ala His Thr Leu Gln Glu Val Tyr Ile Glu Leu Phe Asp
 130 135 140
 Gln Ile Asp Glu Asn Leu Lys Gln Ala Leu Gln Lys Asp Leu Asn Leu
 145 150 155 160
 Met Ala Pro Gly Leu Thr Ile Gln Ala Val Arg Val Thr Lys Pro Lys
 165 170 175
 Ile Pro Glu Ala Ile Arg Arg Asn Phe Glu Leu Met Glu Ala Glu Lys
 180 185 190
 Thr Lys Leu Leu Ile Ala Ala Gln Lys Gln Lys Val Val Glu Lys Glu
 195 200 205
 Ala Glu Thr Glu Arg Lys Lys Ala Val Ile Glu Ala Glu Lys Ile Ala
 210 215 220
 Gln Val Ala Lys Ile Arg Phe Gln Gln Lys Val Met Glu Lys Glu Thr
 225 230 235 240
 Glu Lys Arg Ile Ser Glu Ile Glu Asp Ala Ala Phe Leu Ala Arg Glu
 245 250 255
 Lys Ala Lys Ala Asp Ala Glu Tyr Tyr Ala Ala His Lys Tyr Ala Thr
 260 265 270
 Ser Asn Lys His Lys Leu Thr Pro Glu Tyr Leu Glu Leu Lys Lys Tyr
 275 280 285
 Gln Ala Ile Ala Ser Asn Ser Lys Ile Tyr Phe Gly Ser Asn Ile Pro
 290 295 300
 Asn Met Phe Val Asp Ser Ser Cys Ala Leu Lys Tyr Ser Asp Ile Arg
 305 310 315 320
 Thr Gly Arg Glu Ser Ser Leu Pro Ser Lys Glu Ala Leu Glu Pro Ser
 325 330 335
 Gly Glu Asn Val Ile Gln Asn Lys Glu Ser Thr Gly
 340 345

<210> 584
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 584
 Met Cys Leu Leu Ser Leu Ala Tyr Phe Ile Leu Val Leu Gly Tyr Gly
 1 5 10 15
 Ala Ser Tyr Gly Lys Gly Lys Gly Pro Phe Arg Lys Thr Ser Phe Gly
 20 25 30
 Glu Ile Lys Met Trp Thr Val Xaa Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 50 55 60
 Lys Lys
 65

<210> 585
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 585
 Met Leu Ser Gln Pro Pro His Ser Lys Arg GlyTyr Arg Leu
 1 5 10

<210> 586
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 586
 Met Phe Leu Ser Phe Leu Asn Ile Leu Ile Ile Leu Leu Gln Gly Ile
 1 5 10 15
 Trp Glu Pro Tyr Leu Val Phe Ala Cys Asn Val Ile Arg Tyr Asn Tyr
 20 25 30
 Thr Met

<210> 587
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 587
 Met Val Phe Cys Leu Ala Phe Gly Ala Thr Leu Leu Leu Ala Gly Lys
 1 5 10 15
 Ile Gln Phe Gly Tyr Val Tyr Gly Ile Ser Ala Ile Gly Cys Leu Gly
 20 25 30
 Met Phe Cys Leu Leu Asn Leu Met Ser Met Thr Gly Val Ser Phe Gly
 35 40 45
 Cys Val Ala Ser Val Leu Gly Tyr Cys Leu Leu Pro Met Ile Leu Leu
 50 55 60
 Ser Ser Phe Ala Val Ile Phe Ser Leu Gln Gly Met Val Gly Ile Ile
 65 70 75 80
 Leu Thr Ala Gly Ile Ile Gly Trp Cys Ser Phe Ser Ala Ser Lys Ile
 85 90 95
 Phe Ile Ser Ala Leu Ala Met Glu Gly Gln Gln Leu Leu Val Ala Tyr
 100 105 110
 Pro Cys Ala Leu Leu Tyr Gly Val Phe Ala Leu Ile Ser Val Phe
 115 120 125

<210> 588
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 588
 Pro Cys
 1

<210> 589
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 589
 Met Ser Leu Met Gly Leu Gln Val Leu Pro Arg Ala Cys Thr Leu Leu
 1 5 10 15
 Leu Trp Gly Ser Ala Pro Ala Gly Glu Leu Gln Met Pro Arg Ser
 20 25 30

Gln Gln Thr Gln Gly Pro Leu Glu Lys Asn Ser Phe Phe Ile Ser Ile
35 40 45
Ser Arg Glu Asp Pro Lys Val Lys Val Ser Leu Phe Thr Val Ile Ser
50 55 60
Gly Arg Ser Ser Leu Arg Pro Ser
65 70

<210> 590
<211> 17
<212> PRT
<213> Homo sapiens

<400> 590
Met Cys Thr Ser Val Leu Leu Ala Ile Phe Leu Leu Cys Phe Ser Val
1 5 10 15

Thr

<210> 591
<211> 21
<212> PRT
<213> Homo sapiens

<400> 591
Met Arg Ala Gly Cys Arg Leu Cys Ser Leu Trp Leu Trp Thr His Asn
1 5 10 15

Ser Trp Ala Arg Gly
20

<210> 592
<211> 10
<212> PRT
<213> Homo sapiens

<400> 592
Met Leu Ala Leu Ser Thr His Phe Leu Pro
1 5 10

<210> 593
<211> 49
<212> PRT
<213> Homo sapiens

<400> 593
Met Trp Ala Gly Ala Ser Arg Gly Arg Thr Gly Ala Arg Leu Ala Val

1 5 10 15
 Pro Leu His Ala Trp Cys Thr Leu Trp Pro Leu Ala Leu Gly Gln Ala
 20 25 30
 Ile Leu Leu Gln Ile Pro Val Leu Pro Gln Gly His His Gln Ala Pro
 35 40 45
 Pro

<210> 594
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 594
 Met Val Cys Leu Leu Val His Ser Phe Leu Ser Phe
 1 5 10

<210> 595
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 595
 Xaa Leu Leu Pro Xaa Thr Pro Leu Gly Ile Xaa Tyr Asp Gly Leu Met
 1 5 10 15
 Ser Phe Ala Gly Gly Lys Leu Leu Ile Val Gly Glu Asn Ala Thr Ala
 20 25 30
 His Ile Phe Ala Thr Tyr Pro Ala Pro Tyr Leu Ser Leu Ala Asn Ala
 35 40 45
 Phe Ala Asp Gln Val Val Ala Thr Met Ile Leu Leu Ile Ile Val Phe
 50 55 60

Ala Ile Phe Asp Ser Arg Asn Leu Gly Ala Pro Arg Gly Leu Glu Pro
 65 70 75 80
 Ile Ala Ile Gly Leu Leu Ile Ile Val Ile Ala Ser Ser Leu Gly Leu
 85 90 95
 Asn Ser Gly Cys Ala Met Asn Pro Ala Arg Asp Leu Ser Pro Arg Leu
 100 105 110
 Phe Thr Ala Leu Ala Gly Trp Gly Phe Glu Val Phe Arg Ala Gly Asn
 115 120 125
 Asn Phe Trp Trp Ile Pro Val Val Gly Pro Leu Val Gly Ala Val Ile
 130 135 140
 Gly Gly Leu Ile Tyr Val Leu Val Ile Glu Ile His His Pro Glu Pro
 145 150 155 160
 Asp Ser Val Phe Lys Ala Glu Gln Ser Glu Asp Lys Pro Glu Lys Tyr
 165 170 175
 Glu Leu Ser Val Ile Met
 180

<210> 596
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 596
 Met Phe His Val Cys Cys Ala Phe Leu Asn Phe Met Leu His Ser Lys
 1 5 10 15
 Thr Val Val Leu Phe Leu Trp Cys Leu Asp SerCys Gly Val Cys Phe
 20 25 30

<210> 597
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 597
 Met Tyr Pro Leu Asp Val Asp Asn Asn Val Pro Phe Leu Ser Leu Phe
 1 5 10 15
 Leu Leu Leu Leu Leu Lys Leu Ile Val Leu Pro Asn Leu Leu Leu Cys
 20 25 30
 Phe Phe Pro Asn Thr Val Ile Tyr Leu Ile Cys Arg Gln Glu Pro Cys
 35 40 45

Leu Cys
50

<210> 598
<211> 43
<212> PRT
<213> Homo sapiens

<400> 598
Met Lys Ala Ile Ser Val Ser Leu Leu Arg Leu Thr Lys Leu Leu Trp
1 5 10 15
Phe Phe Ser Ile Val Leu Tyr Val Pro Leu Leu Ala Val Leu Leu Phe
20 25 30
Asn Thr Val Leu Tyr Phe Phe Ser Lys Cys Thr
35 40

<210> 599
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring amino acids

<400> 599
Met Cys Asn Gln Val Phe Leu Leu Leu Ile Leu Ile Leu Xaa Asp Asp
1 5 10 15
His Phe Tyr Thr Leu Trp Gln Ser Leu Ile Ala Ser Val Ser Cys Leu
20 25 30
Glu Asn Glu Phe Ile Ile Tyr Leu Leu Gly Asn
35 40

<210> 600
<211> 14
<212> PRT
<213> Homo sapiens

<400> 600
Met Arg Lys Leu Ala Phe Gly Leu Arg Ile Ser Tyr Cys Ser
1 5 10

<210> 601

<211> 73
<212> PRT
<213> Homo sapiens

<400> 601
Met Leu Tyr Phe Leu Val Gln Leu Leu Thr Val Leu Ser Leu Leu Ser
1 5 10 15
Gly Met Ser Phe Leu Ile Arg Arg Gln Glu Glu Asn Lys Asn Gln Thr
20 25 30
Val Ser His Asn Gln Lys Pro Pro Leu Trp Gln Arg Gly Leu His Arg
35 40 45
His Gln Gly Val Pro Pro Asp Arg Glu Arg Leu Gln Pro Ser Glu Ala
50 55 60
Ile Leu Arg Ser Ser Cys Leu Gly Val
65 70

<210> 602
<211> 42
<212> PRT
<213> Homo sapiens

<400> 602
Met Ser Lys Phe Val Ser Leu Pro Val Phe Leu Ala Cys Ile Ser Pro
1 5 10 15
Trp Phe Asn Ser Tyr Gln Ile Phe Gly Arg Gly Gly Thr Glu Val Ser
20 25 30
Ser His Ser Arg Ala Leu Gly Cys Pro Tyr
35 40

<210> 603
<211> 48
<212> PRT
<213> Homo sapiens

<400> 603
Met Cys Pro Pro His Leu Met Leu Ile Cys Leu Met Val Met Pro Arg
1 5 10 15
Val Gln Asp Leu Val Thr Cys Ala Val Val Asn Thr Gln Arg Leu Gly
20 25 30
Arg Ser Val Ser Leu Val Leu Pro Ser Phe Lys Val His Gly Lys Ile
35 40 45

<210> 604
<211> 26
<212> PRT
<213> Homo sapiens

<400> 604
Met Val Phe Phe Ser Ala Ile Leu Phe Leu Tyr Ile Leu Tyr Leu Phe
1 5 10 15
Ala Asp Tyr Ser Ser Ile Phe Asp Phe Pro
20 25

<210> 605
<211> 8
<212> PRT
<213> Homo sapiens

<400> 605
Met Ala Lys Phe Thr Val Leu Trp
1 5

<210> 606
<211> 34
<212> PRT
<213> Homo sapiens

<400> 606
Met Val His Leu Leu Leu Val Phe Trp Ser Gly Pro His Asn Leu Gly
1 5 10 15
Arg Phe Gln Pro Met Lys Leu Phe Ala Ile Cys Leu Asn Gln Ser Met
20 25 30
Leu Leu

<210> 607
<211> 33
<212> PRT
<213> Homo sapiens

<400> 607
Met Leu His Gly Val Val Ile Val Arg Leu Trp Leu Leu Leu Gly Arg
1 5 10 15
Asn Ser Leu Lys Arg Asn Ser Leu Val Trp Arg Gly Ser Arg Ser Pro
20 25 30
Lys

<210> 608
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 608
 Met Trp Ile Arg Val Gly Phe Leu Val Phe Lys Thr Pro Gly Leu Arg
 1 5 10 15
 Thr Pro Ala Ala Gly Glu Arg Ile Tyr Asn Ile Ser Gly Asn Gly Ser
 20 25 30
 Pro Leu Ala Asp Ser Lys Glu Ile Phe Leu Thr Val Pro Val Gly Gly
 35 40 45
 Gly Glu Ser Leu Arg Leu Leu Ala Ser Asp Leu Gln Arg His Ser Ile
 50 55 60
 Ala Gln Leu Asp Pro Glu Ala Leu Gly Asn Ile Lys Lys Leu Ser Asn
 65 70 75 80
 Arg Leu Ala Gln Ile Cys Ser Ser Ile Arg Thr His Lys
 85 90

<210> 609
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 609
 Met Tyr Asn Leu Ser Ser Leu Phe Met Ile Ser Phe Leu Val Cys His
 1 5 10 15
 Val Thr Pro Ser Gln Thr Leu Lys Gly Pro Pro Leu Ser Trp Ser
 20 25 30

<210> 610
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 610
 Gly Ser Phe Pro Ser Pro Lys His Arg Gln Arg GlyGly Glu Gln Phe
 1 5 10 15
 Leu Val Leu Phe Leu Phe Leu Lys Trp Cys Leu Tyr Leu Gln Pro Pro
 20 25 30
 Gly Gly Leu Pro Trp Pro His Phe Ser Ala Pro Pro ArgHis Arg His

35 40 45
 Pro Ser Thr Leu Leu His Val Thr Arg Lys Met Pro Phe Ala Glu Cys
 50 55 60

Thr
 65

<210> 611
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 611
 Met Phe Leu Arg Glu Gln
 1 5

<210> 612
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 612
 Met Lys Thr Trp Leu Pro Lys Arg Ser Leu Leu Leu Cys Thr Pro Thr
 1 5 10 15

Thr Cys Arg Pro Ala Ala Ser Pro Thr Leu Thr Cys Arg Ser
 20 25 30

<210> 613
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 613
 Met Leu Leu Tyr Leu Thr Val Gly Tyr Trp
 1 5 10

<210> 614
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 614
 Met Thr Val Pro Thr Leu Ala Met Lys Lys Asn Gln Asp Ala Ala Ser
 1 5 10 15

Trp Ser Leu Thr Cys Val Ser Cys Leu His Tyr
 20 25

<210> 615
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 615
 Met Lys Phe Lys Ser Gln Cys Leu Glu Ile Lys Phe Tyr Ser His Thr
 1 5 10 15
 Ala Cys Ser Phe Val Tyr Leu Leu Cys Met Ala Thr Phe Thr Leu Gln
 20 25 30
 Trp Gln Ser
 35

<210> 616
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 616
 Met Ser Arg His Glu Gly Val Ser Cys Asp Ala Cys Leu Lys Gly Asn
 1 5 10 15
 Phe Arg Gly Arg Arg Tyr Lys Cys Leu Ile Cys Tyr Asp Tyr Asp Leu
 20 25 30
 Cys Ala Ser Cys Tyr Glu Ser Gly Ala Thr Thr Thr Arg His Thr Thr
 35 40 45
 Asp His Pro Met Gln Cys Ile Leu Thr Arg Val Asp Phe Asp Leu Tyr
 50 55 60
 Tyr Gly Gly Glu Ala Phe Ser Val Glu Gln Pro Gln Ser Phe Thr Cys
 65 70 75 80
 Pro Tyr Cys Gly Lys Met Gly Tyr Thr Glu Thr Ser Leu Gln Glu His
 85 90 95
 Val Thr Ser Glu His Ala Glu Thr Ser Thr Glu Val Ile Cys Pro Ile
 100 105 110
 Cys Ala Ala Leu Pro Gly Gly Asp Pro Asn His Val Thr Asp Asp Phe
 115 120 125
 Ala Ala His Leu Thr Leu Glu His Arg Ala Pro Arg Asp Leu Asp Glu
 130 135 140
 Ser Ser Gly Val Arg His Val Arg Arg Met Phe His Pro Gly Arg Gly
 145 150 155 160
 Leu Gly Gly Pro Arg Ala Arg Arg Ser Asn Met His Phe Thr Ser Ser

165										170					175				
Ser	Thr	Gly	Gly	Leu	Ser	Ser	Ser	Gln	Ser	Ser	Tyr	Ser	Pro	Ser	Asn				
			180					185					190						
Arg	Glu	Ala	Met	Asp	Pro	Ile	Ala	Glu	Leu	Leu	Ser	Gln	Leu	Ser	Gly				
		195					200					205							
Val	Arg	Arg	Ser	Ala	Gly	Gly	Gln	Leu	Asn	Ser	Ser	Gly	Pro	Ser	Ala				
	210					215					220								
Ser	Gln	Leu	Gln	Gln	Leu	Gln	Met	Gln	Leu	Gln	Leu	Glu	Arg	Gln	His				
225					230					235				240					
Ala	Gln	Ala	Ala	Arg	Gln	Gln	Leu	Glu	Thr	Ala	Arg	Asn	Ala	Thr	Arg				
				245					250					255					
Arg	Thr	Asn	Thr	Ser	Ser	Val	Thr	Thr	Thr	Ile	Thr	Gln	Ser	Thr	Ala				
			260					265					270						
Thr	Thr	Asn	Ile	Ala	Asn	Thr	Glu	Ser	Ser	Gln	Gln	Thr	Leu	Gln	Asn				
		275					280					285							
Ser	Gln	Phe	Leu	Leu	Thr	Arg	Leu	Asn	Asp	Pro	Lys	Met	Ser	Glu	Thr				
	290					295					300								
Glu	Arg	Gln	Ser	Met	Glu	Ser	Glu	Arg	Ala	Asp	Arg	Ser	Leu	Phe	Val				
305					310					315					320				
Gln	Glu	Leu	Leu	Leu	Ser	Thr	Leu	Val	Arg	Glu	Glu	Ser	Ser	Ser	Ser				
				325					330					335					
Asp	Glu	Asp	Asp	Arg	Gly	Glu	Met	Ala	Asp	Phe	Gly	Ala	Met	Gly	Cys				
			340					345					350						
Val	Asp	Ile	Met	Pro	Leu	Asp	Val	Ala	Leu	Glu	Asn	Leu	Asn	Leu	Lys				
		355					360					365							
Glu	Ser	Asn	Lys	Gly	Asn	Glu	Pro	Pro	Pro	Pro	Pro	Pro	Leu						
	370					375						380							

<210> 617

<211> 113

<212> PRT

<213> Homo sapiens

<400> 617

Met	Ser	Pro	Ser	Pro	Arg	Trp	Gly	Phe	Leu	Cys	Val	Leu	Phe	Thr	Ala
1				5					10					15	

Val	His	Pro	Ala	Pro	Ser	Thr	Ala	Pro	Val	Gln	Asp	Lys	Cys	Pro	Val
			20				25						30		

Asn	Thr	Trp	Glu	Ala	Met	Gln	Ala	Ser	Ser	Gln	Gln	Leu	Leu	Gln	Thr
		35					40					45			

Asp Pro Arg Pro Lys Pro Phe Leu Leu Pro Pro Leu Pro Pro Leu Leu
 50 55 60
 Leu Ile Ser Ala Gly Thr Glu Val Ser Ser Leu Val Phe Gln Lys Ser
 65 70 75 80
 Pro Leu His Thr Gln Pro Glu Gly Ala Ile Lys Thr Ala Gly Gln Pro
 85 90 95
 Thr Ser Val His Ser Lys Val Leu Ser Lys Gly Ser Leu Leu Leu Gly
 100 105 110
 Glu

<210> 618
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 618
 His Lys Lys Ser Phe Gln Gly Arg Ala Leu Gly Asp Pro Leu Phe Lys
 1 5 10 15
 Gly Ile Trp Ala Gly Phe Ile Val Val Ser Ser Glu Glu Ser Gly Lys
 20 25 30
 Gly Arg Pro
 35

<210> 619
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 619
 Met Ile Gly Lys Lys Lys Gly Thr Leu Glu Glu Ile Val Leu Met Ile
 1 5 10 15
 Val Val Leu Val Ser Thr Gln Cys Leu Ile Met Thr Met Glu Val Val
 20 25 30
 Leu Lys Asn Leu Val Ile Met Thr Glu Trp Ile Met Lys Met Thr Asp
 35 40 45

<210> 620
 <211> 30

<212> PRT

<213> Homo sapiens

<400> 620

Met Ala Met Gly Ala Ala Ser Ser Gly Trp Ser Ala Pro Ala Ser Ser
1 5 10 15

Ser Trp Ser Thr Leu Trp Trp Ser Ser Phe Pro Arg Pro Arg
20 25 30

<210> 621

<211> 25

<212> PRT

<213> Homo sapiens

<400> 621

Met Leu Ile Ser Val Met Leu His Ser Leu Trp Leu Val Ile His Leu
1 5 10 15

Gly Pro Gln His Thr Val Ile Leu Phe
20 25

<210> 622

<211> 38

<212> PRT

<213> Homo sapiens

<400> 622

Met Phe Leu Cys Cys Gln Ile Gly Pro Leu Gly Pro Phe Arg Phe Cys
1 5 10 15

Phe Leu Gly Ala Gly Phe Leu Pro Trp Thr Pro Ser Leu Gly Thr Val
20 25 30

Asp Ile Lys Cys Leu Ala
35

<210> 623

<211> 23

<212> PRT

<213> Homo sapiens

<400> 623

Met Gly Trp Ser Ser His Trp Ser Asn Phe Leu Ser Val Arg Leu Trp
1 5 10 15

Phe Ser Thr Leu Ala Ile Cys
20

<210> 624
<211> 34
<212> PRT
<213> Homo sapiens

<400> 624
Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
1 5 10 15
Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
20 25 30
Ala Ala

<210> 625
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring amino acids

<400> 625
Met Tyr Met Pro Ala Pro Pro Leu Ser Leu Ala Pro Aa Val Gly Glu
1 5 10 15
Thr Phe Pro Val Cys Arg Glu Arg Met Trp Ser Trp Gln Ala Trp Leu
20 25 30
Leu Pro Asp Ser Val Ser Ser Gly Asn Thr Gln Pro Ser Phe Lys Lys
35 40 45
Lys Lys Thr Arg Ser Xaa Pro Ser Asp Arg
50 55

<210> 626
<211> 33
<212> PRT
<213> Homo sapiens

<400> 626
Met Cys Val Cys Met His Val Cys Val Cys Cys Val Trp Trp Glu Ala
1 5 10 15
Ala Trp Gly Cys Gln Lys Arg Ala Glu Gly Gly Ile Arg Pro Ser Trp
20 25 30
Thr

<210> 627
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 627
 Met Leu Ile Ile Thr Pro Lys Leu Lys Lys Val Gly Ser Gln Pro Gln
 1 5 10 15
 Met Glu Asp Trp Ala Pro Leu Leu Pro Ser Ser Ala Ser Leu Leu Pro
 20 25 30

<210> 628
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 628
 Met Glu Asn Cys Leu Tyr Val Val Ala Leu Met Val Leu Met Pro Ser
 1 5 10 15
 Val Val Trp Lys Cys Met Ile Gh Leu Glu Met Asn Gly Arg
 20 25 30

<210> 629
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 629
 Asp Arg Glu Arg Asn Met Ala Thr Cys Ala Gln Leu Leu Arg Leu Val
 1 5 10 15
 Leu Glu Ala Glu His Ile Ala Pro Ala Ala Trp His Trp Pro Trp Asp
 20 25 30
 Met Gly Gly Arg Gly Arg Arg Val Pro Ala Tyr Val Gly Arg Trp Ala
 35 40 45
 Gly Ala Gln Thr Gln Gln Ala Pro Trp Gly His Ser Ser Pro Leu His
 50 55 60
 Pro Phe Ile Leu Lys His Leu Gln Arg Ala Ser Ser Ala Arg Leu Ser
 65 70 75 80
 Gly Ala Lys Gly Thr Glu Met Arg Thr Asp Ser Pro Leu Gly Glu Thr
 85 90 95

Val Phe Ala Trp Ser Cys Pro Gln Cys Lys Ala Gln Glu Trp Cys Arg
100 105 110

Gly Ala

<210> 630
<211> 46
<212> PRT
<213> Homo sapiens

<400> 630
Glu Val Ile Gly Leu Leu Leu Leu Leu Leu Leu Cys Asn Asn Asn
1 5 10 15

Arg Gln Lys Gln Arg Arg Gly Glu Ser Ala Asp Ala Trp Pro Leu Pro
20 25 30

Trp Gly Phe Pro Ser Ala Glu Glu Ser Val Ala Ala Gln Leu
35 40 45

<210> 631
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring amino acids

<400> 631
Cys Pro Ser Val Ser Ala Cys Cys Leu Gly Leu Pro Ile Trp Ile Val
1 5 10 15

Gly Lys Ser Lys Arg Ala Trp Cys Leu Pro Thr Pro Pro Asp Ser Ser
20 25 30

Arg Xaa Lys Pro Arg Pro His Glu Ala Cys Pro Thr Arg Ser Pro Met
35 40 45

Ala Gln Thr Ala Pro Pro Pro Ser His Lys Val
50 55

<210> 632
<211> 243
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring amino acids

<400> 632

Met	Leu	Val	Ile	Gln	Ile	Thr	Ser	Val	Asp	Phe	His	Gly	Ile	Pro	Leu
1				5					10					15	
Ser	Val	Pro	Gln	Ser	Leu	Thr	Arg	Arg	Gln	Cys	Thr	Cys	Arg	Gly	Trp
			20					25					30		
Lys	Glu	Asp	Glu	Pro	Met	Ser	Arg	Leu	Cys	Ile	Asn	Gln	Gly	Glu	Arg
		35					40					45			
Lys	Ser	Arg	Trp	Lys	Glu	Val	Gly	Arg	Trp	Arg	Lys	Gln	Gln	Leu	Leu
	50					55					60				
Leu	Ala	Leu	Asp	Asp	Gly	Pro	Glu	Gly	Leu	Ser	Leu	Leu	Val	Thr	Pro
65					70					75					80
Leu	Trp	Val	Leu	Phe	Pro	Tyr	Leu	Ser	Val	Thr	Arg	Phe	Leu	Ile	Leu
				85					90					95	
Ile	Pro	Cys	Cys	Glu	Phe	Gly	Ser	Leu	Cys	Trp	Ala	Ile	Gln	Ser	Ser
			100					105					110		
Ser	Glu	Arg	Ala	Lys	Leu	Val	Leu	Glu	Leu	Arg	Cys	Arg	Trp	Gly	Lys
		115					120					125			
Arg	Gly	Thr	Gln	Leu	Asp	Thr	Lys	Lys	Gly	Ser	Leu	Pro	Ser	Leu	Ser
	130					135					140				
Pro	Xaa	Thr	Val	Arg	Gly	Ile	Leu	Ser	Arg	Gln	Pro	Pro	Asn	Ser	Pro
145					150					155					160
Ser	His	Leu	Pro	Ser	Phe	Val	Glu	Thr	Ala	Phe	Asp	Ser	Pro	Ser	Leu
				165					170					175	
Ser	Leu	Pro	Phe	Arg	Val	Ser	Cys	Leu	Val	Ser	Gly	Leu	Arg	Glu	Phe
			180					185					190		
Leu	Ser	Leu	Leu	Pro	Arg	Thr	Leu	Lys	Glu	Leu	Leu	Leu	Lys	Thr	Gly
		195					200					205			
Glu	Tyr	Gln	Ala	Tyr	Leu	Tyr	Met	Cys	Asn	Ser	Ala	Arg	Ile	Gln	Arg
	210					215					220				
Lys	Ser	Ser	Phe	Gln	Pro	Leu	Pro	Leu	Gly	Arg	Trp	Phe	Arg	Val	Pro
225					230					235					240

His Arg Asp

<210> 633

<211> 17

<212> PRT

<213> Homo sapiens

<400> 633

Leu Leu Leu Leu Leu Phe Met Leu Ser Leu Gly Lys Pro Leu Gly Arg
1 5 10 15

Thr

<210> 634

<211> 44

<212> PRT

<213> Homo sapiens

<400> 634

Pro Ala Arg Leu Leu Pro Pro Gly Pro Ala Val Ala Leu Leu Leu Leu
1 5 10 15

Arg Gly Ser Cys Ser Leu Cys Cys Cys His Gln Pro His Lys Ala Ser
20 25 30

Cys Lys Ala Met Pro Ser Ala Gly Ser Asn Val Pro
35 40

<210> 635

<211> 32

<212> PRT

<213> Homo sapiens

<400> 635

Met Ala Pro Ala Pro Cys Ser Ala Ser Pro Arg Pro Ala Gly Gly Arg
1 5 10 15

Asp Gly Gly Gly Ala Pro Glu Leu Ser Phe Leu Leu Ser Val Leu Val
20 25 30

<210> 636

<211> 8

<212> PRT

<213> Homo sapiens

<400> 636

His Arg Ala Val Ile Leu Ala Leu
1 5

<210> 637

<211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 637
 Met Ala Leu Ser Asn Ser Val Ala Pro Lys Pro Ser Pro Pro Trp Pro
 1 5 10 15
 Leu Leu Gly Cys Phe Leu His Ser Pro Ser His Phe Leu Val Cys Cys
 20 25 30
 Ile Leu His Thr Phe Ile Met Phe Thr Val Ala Leu Leu Cys Ser Asp
 35 40 45
 Gly His Pro Xaa Arg Pro Gly Val Leu Pro Gly Pro Leu Leu Tyr Leu
 50 55 60
 Glu Cys Arg Ile Leu Gly Ser Ser Asp
 65 70

<210> 638
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 638
 Met Ala Ala Ala Lys Ala Leu Ile Ser Leu Trp Leu Val Ser Ala Cys
 1 5 10 15
 Gly Gln Trp Glu Thr Ser Phe Pro Ile Tyr Gly Gly Asp Met Glu Cys
 20 25 30
 Gln Ala Val Val Phe Trp Trp Leu Glu Glu Glu Arg Lys
 35 40 45

<210> 639
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 639
 Met Leu Leu Pro Gln Ile Leu Ala Trp Leu Thr Pro Leu Cys Ser Gly
 1 5 10 15
 Phe Cys Gln Ala Val Thr Phe Ser Met Arg Pro Thr Trp Ala Thr Ile
 20 25 30
 Phe Asn Thr Ala Val Tyr Thr Ala Ser Pro Pro Thr Thr Gln His Ser

35 40 45
 Gln Ala Leu Thr Leu Leu Pro Leu Phe Phe Pro Phe Arg Gln Pro Ser
 50 55 60
 Ser Asn Thr Trp Asp His Ile Leu Ile Tyr
 65 70

<210> 640
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 640
 Met Gln Cys Pro Tyr Leu Leu Gly Ala Gln Leu Leu Val Ser Ser Ile
 1 5 10 15
 Cys Pro Val Val Pro Ala Leu Pro Arg Pro Val Asn Lys Cys Leu Val
 20 25 30
 Pro Asp

<210> 641
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 641
 Met Ser Met Leu Phe Leu Phe Cys Val His Val Ser Leu Leu Ile Phe
 1 5 10 15
 Leu Ile Cys Ser Pro Met Leu Tyr Leu
 20 25

<210> 642
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 642
 Met Ser Glu Ala Gly Trp Trp Ala Trp Leu Phe Val Ile Leu His Pro
 1 5 10 15
 Phe Gly Met Pro Asp Thr Phe His Asn Asn Phe Lys Lys Asp Lys Thr
 20 25 30
 Thr Ala Glu Lys Cys Ile Glu
 35

<210> 643
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 643
 Met Leu Ala Ala Leu Ala Cys Ser Trp Arg Leu Leu Ser Leu Gly Ala
 1 5 10 15
 His Ser Gly Arg Ala
 20

<210> 644
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 644
 Met Ser Ser Phe Gly Lys Cys Leu Phe Ile Leu Val Leu Gly Leu Phe
 1 5 10 15
 Phe Asn Trp Val Phe Val Phe Phe Phe Ala Ile Asp Phe Leu Lys Phe
 20 25 30
 Leu Asp Ser Asn Leu Leu Ser Asp Met Trp Phe Thr Asn Ile Phe Ser
 35 40 45
 Tyr Ser Val Asp Cys Leu Phe Ile Leu Ser Ile Ile Ser Phe Ala Leu
 50 55 60

<210> 645
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 645
 Met Pro Gly Pro His Gln Leu Cys Leu Ile Asn Ala Gly Gln Pro Cys
 1 5 10 15
 Ser Leu Val Thr Ser Val Gly His Trp Leu Leu Gly Val Phe Ser Ile
 20 25 30
 Leu Pro Cys Ser Leu Leu Ala Pro Gly Glu Lys Gly Pro Tyr Arg Ser
 35 40 45
 Leu Phe Gln Val Thr Arg Ser Trp Gly Gly Pro
 50 55

<210> 646
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 646
 Met Gly Val Gly Leu Leu Asn Arg Ile Ile
 1 5 10

<210> 647
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 647
 Met Pro Phe Tyr Pro Cys
 1 5

<210> 648
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 648
 Met Gly Val Leu Pro Gly Leu Phe Pro Phe Pro Pro Ser Leu Ala Thr
 1 5 10 15
 Val Leu Gly Val Trp Gln Leu Phe Gly Phe Phe Phe Phe Leu Gln Leu
 20 25 30
 Cys Val Cys Val Phe Val
 35

<210> 649
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 649
 Met Ser Gly Asn Ile Ile Glu Lys Thr Leu Phe Pro Val Phe Trp Val
 1 5 10 15
 Ser Met Asn Phe Trp Gly Ile Leu Thr Tyr Tyr Ile Leu Thr Arg Leu
 20 25 30
 Ile Tyr Ala Lys Tyr Pro Thr Gly Arg Gln Leu
 35 40

<210> 650
<211> 27
<212> PRT
<213> Homo sapiens

<400> 650
Ser Phe Tyr Val Leu Phe Ser Asn Leu Gln Trp Tyr Val Phe Asn Ile
1 5 10 5
Phe Ala Thr Tyr Thr Leu Gly Lys Lys Lys Met
20 25

<210> 651
<211> 33
<212> PRT
<213> Homo sapiens

<400> 651
Met Leu Arg Gln Val Phe Phe Phe Pro Leu Cys Leu Gly Pro Val Arg
1 5 10 15
Gly Leu Leu Arg Thr Val Ser Val Ile Glu Gly Leu Tyr Ser Phe Gln
20 25 30
Leu

<210> 652
<211> 10
<212> PRT
<213> Homo sapiens

<400> 652
Asn Thr Met Ile Ala Ala Gly Ser Cys Asp
1 5 10

<210> 653
<211> 51
<212> PRT
<213> Homo sapiens

<400> 653
Met Cys Trp Tyr Val Ile Ser Arg Pro Leu Trp Leu Asn Arg Leu Cys
1 5 10 15
Met Ser Ser Arg Leu Phe Val Leu Pro Gln Pro Ser Val Leu Ile Thr
20 25 30
Leu Arg Pro Ala Ala Ser Val Gly Phe Leu Pro Val Gly Glu His Ile
35 40 45

Ser Arg Leu
50

<210> 654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 654
Met Leu Phe Val Leu Leu Ile Trp Lys Leu Tyr Met Ile Tyr Ile Lys
1 5 10 15

Thr Phe Cys Phe
20

<210> 655
<211> 39
<212> PRT
<213> Homo sapiens

<400> 655
Leu Phe Trp Ser Val Ser Glu Thr Gly Ile Ala Phe Gly Val Ser Arg
1 5 10 15

Val Leu Gly Met Leu Glu Gly His Leu Gln Glu Ala Trp Gly Arg Arg
20 25 30

Glu Ile Ser Cys Asp Ala Leu
35

<210> 656
<211> 198
<212> PRT
<213> Homo sapiens

<400> 656
Met Phe Phe Ala Pro Thr Val Leu Gly Leu Ala Arg Leu Arg His Trp
1 5 10 15

Val Tyr Leu Leu Cys Phe Ser Ala Gly Asn Tyr Tyr Asn Gln Gly Glu
20 25 30

Thr Arg Lys Lys Glu Leu Leu Gln Ser Cys Asp Val Leu Gly Ile Pro
35 40 45

Leu Ser Ser Val Met Ile Ile Asp Asn Arg Asp Phe Pro Asp Asp Pro
50 55 60

Gly Met Gln Trp Asp Thr Glu His Val Ala Arg Val Leu Leu Gln His
65 70 75 80

Ile Glu Val Asn Gly Ile Asn Leu Val Val Thr Phe Asp Ala Gly Gly
 85 90 95
 Val Ser Gly His Ser Asn His Ile Ala Leu Tyr Ala Ala Val Arg Ala
 100 105 110
 Leu His Ser Glu Gly Lys Leu Pro Lys Gly Cys Ser Val Leu Thr Leu
 115 120 125
 Gln Ser Val Asn Val Leu Arg Lys Tyr Ile Ser Leu Leu Asp Leu Pro
 130 135 140
 Leu Ser Leu Leu His Thr Gln Asp Val Leu Phe Val Leu Asn Ser Lys
 145 150 155 160
 Glu Val Ala Gln Ala Lys Lys Ala Met Ser Cys His Arg Ser Gln Leu
 165 170 175
 Leu Trp Phe Arg Arg Leu Tyr Ile Ile Phe Ser Arg Tyr Met Arg Ile
 180 185 190
 Asn Ser Leu Ser Phe Leu
 195

<210> 657
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 657
 Met Ile Leu Ile Ser Val Ile Pro Ser Phe Phe Pro Val Ile Ser Ala
 1 5 10 15
 Val Gln Thr Thr Tyr Glu Gln Cys
 20

<210> 658
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 658
 Met Cys Val Phe Val Tyr Glu Leu Met Leu Leu Ser Leu Val Phe Leu
 1 5 10 15
 Pro His Trp Ser Leu Pro Ser Leu Pro Tyr Phe Ser Phe Ala Leu His
 20 25 30
 Ser Asn Thr Val Lys Pro Asp Ile Tyr Phe Leu Cys Gly Ser Asn Ser
 35 40 45
 Leu Ile Phe Pro Val Asp Lys Arg Tyr Val Phe Tyr Ser Phe Ile Ser
 50 55 60

Leu Ile Val Asn Arg Lys Gln Leu Glu Asn Trp Asn Thr Phe Ser Leu
65 70 75 80

Cys Gly Cys

<210> 659
<211> 28
<212> PRT
<213> Homo sapiens

<400> 659
Met Pro Val Trp Lys Cys Leu Leu Trp Cys Thr Pro Leu Leu Arg Cys
1 5 10 15

Thr Gln Leu Leu Leu Gln Leu Gln Ser Arg Cys Cys
20 25

<210> 660
<211> 33
<212> PRT
<213> Homo sapiens

<400> 660
Met Cys Ser Phe His Ile Asn Phe Cys Leu Leu Ser SerThr Phe Ile
1 5 10 15

Leu Leu Thr Gly Leu Cys Phe Ser Val Tyr Ala Ser Asn Ile Trp Val
20 25 30

Cys

<210> 661
<211> 88
<212> PRT
<213> Homo sapiens

<400> 661
Ser Leu Lys Ile Phe Ser Val Ser Gly Val Leu Gln Gly Trp Pro Leu
1 5 10 15

Ala Pro Glu Pro Leu Pro Gln Cys Ser His Gln Pro Pro Pro His Pro
20 25 30

Ser Val Cys Arg Ala Ser Ser Thr Gly Pro His Ala Ala Phe Phe Thr
35 40 45

His Ser Ala Leu Gly Arg Phe Val Ile Trp Leu Ser Leu His Trp Ala
50 55 60

Glu Val Cys Val His Arg Val Gly Val Pro Ser Ser Pro Phe His Ser
 65 70 75 80

Glu Gly His Thr Gln Arg Cys Gln
 85

<210> 662
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 662
 Glu Arg Ser Ser Leu Met Ser Cys Ala Phe Phe
 1 5 10

<210> 663
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 663
 Met Glu Thr Pro Gln Leu Gln Val Gln Gly Gln Leu Leu His Leu Leu
 1 5 10 15
 Leu Cys Leu Tyr His His Lys Val Val Gln Gln Lys Leu Leu Leu Leu
 20 25 30
 Ile Leu Leu Lys Leu Leu Lys Val Thr Thr Leu Tyr Pro Met Glu Gln
 35 40 45
 Ile Leu Gly Ser Phe His Gln Leu Glu Arg Ser Phe Ile Gly Ile Ile
 50 55 60
 Leu Ser His Arg Leu Leu Arg Pro
 65 70

<210> 664
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 664
 Met Ser Gly Val Lys Leu Gln Leu Phe Gly Thr Arg Leu Ser Leu Pro
 1 5 10 15
 Leu Ser Ser Tyr
 20

<210> 665
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring amino acids

<400> 665
Met Ala Xaa Gly Ser Phe Leu Phe Phe Cys Leu Val His Ile Asn Val
1 5 10 15
Ala Thr Ser Phe Leu Asp Leu Gly Leu Ser
20 25

<210> 666
<211> 30
<212> PRT
<213> Homo sapiens

<400> 666
Met Asn Ser Tyr Met Cys Ala Cys Val Phe Ser Ser Glu Ile His Leu
1 5 10 15
Gly Gly Gly Phe Phe Cys Phe Phe Asn Ser Val Pro Asp Leu
20 25 30

<210> 667
<211> 36
<212> PRT
<213> Homo sapiens

<400> 667
Met Ala Leu Thr Leu Pro Ser Gln Trp Val Phe Leu Val Phe Ile Leu
1 5 10 15
Asp Asp Leu Tyr Ala His Leu Ser Leu Ser Arg Asn Phe Cys Trp Lys
20 25 30
His Leu Leu Phe
35

<210> 668
<211> 45
<212> PRT
<213> Homo sapiens

<400> 668
Met Cys Cys Trp Ile Arg Phe Ala Ser Ile Leu Leu Arg Ile Phe Thr

1	5	10	15
Pro Met Phe Ile Arg Asp Ile Gly Leu Lys Phe Cys Phe Phe Val Val	20	25	30
Ser Leu Pro Ser Phe Val Ile Arg Met Met Leu Ala Ser	35	40	45

<210> 669
 <211> 19
 <212> PRT
 <213> Homo sapiens

Met Ser Leu Leu Leu Glu Ser Cys Val Glu Pro Leu Ser Phe Leu Leu	1	5	10	15
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Leu Leu Gln

<210> 670
 <211> 17
 <212> PRT
 <213> Homo sapiens

Ser Val Trp Gly Ser Phe Leu Ser Met Leu Met Leu Leu Leu Ser Val	1	5	10	15
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Cys

<210> 671
 <211> 19
 <212> PRT
 <213> Homo sapiens

Gln Arg Pro Trp Ile Leu Thr Thr Asp Leu Ser Val Phe Phe Leu Cys	1	5	10	15
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Leu Phe Pro

<210> 672
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 672

Met Pro Cys Gly His Leu Arg Ile Arg Ala Gly Ile Ala Gly Gly Ser
1 5 10 15
Gly Ala Ala Gln Ser Leu Leu Phe Pro Tyr Leu Glu Ser Leu Trp Glu
20 25 30
Cys Asp Phe Asp Arg Ala
35

<210> 673

<211> 47

<212> PRT

<213> Homo sapiens

<400> 673

Met Asn Val Leu Cys Gly Tyr Gly Leu Pro Ile Gly Arg Trp Phe Trp
1 5 D 15
Gly Leu Arg Ile Ile Leu Lys Leu Ser Leu Thr Asp Ser Pro Val Phe
20 25 30
Tyr Lys Leu Thr Thr Asn Leu Ser Lys Asp His Leu Gly Arg His
35 40 45

<210> 674

<211> 35

<212> PRT

<213> Homo sapiens

<400> 674

His Ser Cys Gly Pro Asp Thr Cys Val Cys Pro Ser Pro Val Ser Pro
1 5 10 15
Cys Leu Pro Val Pro Leu Ala Ala Leu Met Val Thr Po Lys Gly Ser
20 25 30
Asn Pro Cys
35

<210> 675

<211> 35

<212> PRT

<213> Homo sapiens

<400> 675

Met Thr Ser Leu Leu Gln Asn Cys Val Ile Phe Val Lys Val Val Gln
1 5 10 15
Tyr Met Thr Phe Asn Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
20 25 30

Phe Phe Trp
35

<210> 676
<211> 80
<212> PRT
<213> Homo sapiens

<400> 676
Met Gly Arg Met Ala Ile Leu Ala Cys Ser Leu Pro Thr Thr Trp Ser
1 5 10 15
Ser Leu Ser Glu Ala Glu Gly Thr Ser Cys Pro Ser Pro Leu Arg His
20 25 30
Gly Phe Leu Ile Ala Gly Arg Gly Gly Leu Gly Val Asp Ile Gln His
35 40 45
Ser Ser Arg Asn Arg Thr Pro Ser Glu Asp Glu Ala Ser Gly Leu Pro
50 55 60
Pro Ala Trp Gln Thr Gln Pro Val Thr Pro Asn Ala Ala Met Ala Trp
65 70 75 80

<210> 677
<211> 13
<212> PRT
<213> Homo sapiens

<400> 677
Met Lys Leu Phe Cys Val Leu Ile Val Val Val Val Thr
1 5 10

<210> 678
<211> 26
<212> PRT
<213> Homo sapiens

<400> 678
Met Ser Gln Ala Cys Phe Pro Ile Ser Val Lys Leu Phe Glu Thr Leu
1 5 10 15
Leu Cys Leu Cys Phe Val Cys Ala Cys Val
20 25

<210> 679
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 679
 Ile Cys Val Ala Asn Tyr Arg Leu Trp Cys Lys Val Cys Leu Ile Phe
 1 5 10 15
 Leu Pro Leu Thr Pro Ala Asn Cys Cys Ile Leu Asp Ser Leu Phe Gln
 20 25 30
 Tyr Cys Ile Lys Thr Leu Val Leu Cys Trp Thr Glu
 35 40

<210> 680
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 680
 Met Asn Cys Phe Leu Ser Pro Leu Leu Thr Leu Leu Ala Lys Asn Gly
 1 5 10 15
 Ala Phe Phe Ala Gly Ser Ile Leu Ala Val Leu Ile Ala Leu Thr Ile
 20 25 30
 Tyr Asp Glu Asp Val Leu Ala Val Glu His Val Leu Thr Thr Val Thr
 35 40 45
 Leu Leu Gly Val Thr Val Thr Val Cys Arg Ser Phe Ile Pro Asp Gln
 50 55 60
 His Met Val Phe Cys Pro Glu Gln Leu Leu Arg Val Ile Leu Ala His
 65 70 75 80
 Ile His Tyr Met Pro Asp His Trp Gln Gly Asn Ala His Arg Ser Gln
 85 90 95
 Thr Arg Asp Glu Phe Ala Gln Leu Phe Gln Tyr Lys Ala Val Phe Ile
 100 105 110
 Leu Glu Glu Leu Leu Ser Pro Ile Val Thr Pro Leu Ile Leu Ile Phe
 115 120 125
 Cys Leu Arg Pro Arg Ala Leu Glu Ile Ile Asp Phe Phe Arg Asn Phe
 130 135 140
 Thr Val Glu Val Val Gly Val Gly Asp Thr Cys Ser Phe Ala Gln Met
 145 150 155 160
 Asp Val Arg Gln His Gly His Pro Gln Arg Leu Ser Ala Gly Gln Thr
 165 170 175
 Glu Ala Ser Val Tyr Gln Gln Ala Glu Asp Gly Lys Thr Glu Leu Ser

180 185 190
 Leu Met His Phe Ala Ile Thr Asn Pro Gly Trp Gln Pro Pro Arg Glu
 195 200 205
 Ser Thr Ala Phe Leu Gly Phe Ser Arg Ser Arg Phe Ser Gly Met Glu
 210 215 220
 Gln Leu Leu Ala Ser Pro Lys Gly Val Cys SerLeu Lys Met Pro Ser
 225 230 235 240
 Leu Arg Leu Ser Ser Pro Tyr Asn Leu Ser Leu Ser Pro
 245 250

<210> 681
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 681
 Met Ala Pro Ser Thr Ala Thr Arg His Trp His Ala His Cys Phe Ala
 1 5 10 15
 Ser Cys Arg Ser Thr Gly Met Gln Arg Leu Cys Gly Pro Gly Ile Pro
 20 25 30
 Lys Asn Ser Leu Pro Val Thr Ser Trp Trp Thr Trp Gly Ala Ser Thr
 35 40 45
 Thr Leu Gly Asp Thr Asp Met Thr Ile Thr Arg Gly Leu Ser Gln Arg
 50 55 60
 Pro
 65

<210> 682
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 682
 Met Gln Ile His Met Ile Pro Val Thr Tyr Glu Leu Lys Ile Arg Cys
 1 5 10 15
 Leu Leu Leu Phe Val Ser Phe Ser Arg Lys Met Ser Gln Gln Pro Ile
 20 25 30
 Arg Lys Leu Tyr Gln Ser Thr Leu Asp Tyr Lys Leu Thr Glu Thr Ile
 35 40 45
 Asn Asn Lys Ala Thr Gln Tyr Glu Tyr Asn Thr Pro Lys Gly Thr
 50 55 60

<210> 683
<211> 31
<212> PRT
<213> Homo sapiens

<400> 683
Met Cys Cys Ser Cys Cys Gly Arg Tyr Pro Trp Val Leu Gly Lys His
1 5 10 15
Met Cys Ser Leu Leu Trp Leu Gln Ile Pro Ala Tyr Leu Lys Ser
20 25 30

<210> 684
<211> 46
<212> PRT
<213> Homo sapiens

<400> 684
Gly Ile Ile Gln Ser Val Leu Phe Cys Ala Trp Phe Val Leu Val Asn
1 5 10 15
Ile Ala Ser Gly Ser Phe Ile Ser Val Gln Gly Trp Arg Thr Pro Ala
20 25 30
Tyr Lys Pro Asn Leu Val Leu Cys Leu Phe Ser Tyr Gly Leu
35 40 45

<210> 685
<211> 9
<212> PRT
<213> Homo sapiens

<400> 685
Ala Gly Ala Gly Leu Pro Pro Gly Ser
1 5

<210> 686
<211> 10
<212> PRT
<213> Homo sapiens

<400> 686
Met Pro Leu His Ser Ser Leu Gly Gly His
1 5 10

<210> 687
<211> 10

<212> PRT
<213> Homo sapiens

<400> 687
Gly Leu Val Ala Ala Val Arg Phe Ile Ser
1 5 10

<210> 688
<211> 26
<212> PRT
<213> Homo sapiens

<400> 688
Ile Phe Leu His Leu Leu Ser Cys Ser Leu Leu Phe Ala Trp Thr Asn
1 5 10 15
Gly Glu Lys Ser Ala Gln Asn Glu Ile Met
20 25

<210> 689
<211> 63
<212> PRT
<213> Homo sapiens

<400> 689
Leu Glu Phe Ser Ser Val Ile Ser Glu Ser Leu Ile Tyr Leu Phe Val
1 5 10 15
Leu Ser Phe Leu Leu Cys Cys Trp Tyr Val Ala Leu Met Glu Arg Leu
20 25 30
His Gln Pro Ser Phe Phe Phe Leu Arg Gln Pro Gly Gln Gln Arg Glu
35 40 45
Thr Ser Ser Gln Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser
50 55 60

<210> 690
<211> 37
<212> PRT
<213> Homo sapiens

<400> 690
Met Leu Cys Gln Arg Ser Val Gly Tyr Lys Tyr Leu Ala Leu Phe Leu
1 5 10 15
Gly Cys Leu Phe Cys Ser Ile Gly Leu Cys Thr Cys Cys TyrThr Ser
20 25 30
Pro Met Leu Phe Trp
35

<210> 691
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring amino acids

<400> 691
Met Ser Ser Leu Leu Leu Ile Ile Ile Leu Ala Leu Ser Leu Ala Tyr
1 5 10 15

Lys Lys Lys Lys Lys Lys Leu Glu Gly Gly Pro Gly Thr His Xaa Pro
20 25 30

Xaa Gly Gly Val
35

<210> 692
<211> 57
<212> PRT
<213> Homo sapiens

<400> 692
Trp Val Asp Trp Gln Arg Lys Trp Thr Thr Lys PhePhe Met Leu Arg
1 5 10 15

Ser Phe Leu Leu Glu Thr Ser Gln Ile Phe Arg Phe Leu Trp Ile Met
20 25 30

Lys Gln Lys Ser Thr Glu Asp Leu Leu Leu Leu Asn LeuSer Trp Gln
35 40 45

Arg Met Leu Gln Gln Leu Ser Thr Thr
50 55

<210> 693
<211> 10
<212> PRT
<213> Homo sapiens

<400> 693
Trp His Pro Val Cys Ser Trp Cys Leu His

1 5 10

<210> 694
<211> 27
<212> PRT
<213> Homo sapiens

<400> 694
Pro Ala Pro His Leu Pro Arg Leu Thr Leu Pro Cys Gln Val Val Trp
1 5 10 15
Gly Pro Arg Cys Trp Gly Gly Glu Ser Gly Ser
20 25

<210> 695
<211> 70
<212> PRT
<213> Homo sapiens

<400> 695
Met Cys Asp Val Leu Trp Gly Leu Phe Ile Leu Leu Val His Arg Arg
1 5 10 15
Gly Thr Leu Pro Gln Glu Ser Arg His Leu Ser Ser Ser Ser Ser Ser
20 25 30
Ser Ser Ala Thr Glu Glu Pro Pro Tyr Leu Gly Gln Val Ser His Cys
35 40 45
Leu Pro Val Met Phe Thr Thr His Glu Arg Thr Arg Arg Phe Asp Val
50 55 60
Ser Ile Lys Leu Asn Glu
65 70

<210> 696
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring amino acids

<400> 696
Met Leu Leu Gly Leu Leu Val Ile Leu Val Ile Asn Leu Trp Met Arg
1 5 10 15
Gln Val Leu Ile Ser Thr Glu Phe Phe Asn Arg Arg Leu Cys TyrArg
20 25 30

Ser Tyr Arg Phe Phe Pro Gly Xaa Ala
 35 40

<210> 697
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 697
 Asp Lys Leu Met
 1

<210> 698
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 698
 Gly Lys Gly Arg Leu Ser Arg Gly Lys Tyr Tyr Gln Ser Ser
 1 5 10

<210> 699
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 699
 Leu Pro Gly Ser Arg Ser Arg Cys Phe Ile PhePro Leu Phe Ser His
 1 5 10 15
 Tyr Ile Val Ile Ser Pro Thr Leu Ser Leu Val Leu Phe Phe Ser Trp
 20 25 30
 Lys Thr Arg Lys Pro Leu Ser Pro Lys Cys
 35 40

<210> 700
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 700
 Asp Leu Leu Leu Leu Phe Cys Gly Asp Val Pro Cys Ser Leu Tyr Val
 1 5 10 15
 Ser Ser His Val Cys Leu Cys Thr His Ile Ala Ser Cys Ala Val Phe
 20 25 30

Val Ser Leu Pro Leu Met Pro Ala Ser Gly Met Met Glu Arg Leu Trp
35 40 45

Ser Arg Leu Arg Ile Met Thr Ala Tyr Lys Thr Asp Ser Thr Leu Thr
50 55 60

Gly Lys
65

<210> 701
<211> 265
<212> PRT
<213> Homo sapiens

<400> 701
Met Ala Thr Leu Leu Arg Pro Val Leu Arg Arg Leu Cys Gly Leu Pro
1 5 10 15

Gly Leu Gln Arg Pro Ala Ala Glu Met Pro Leu Arg Ala Arg Ser Asp
20 25 30

Gly Ala Gly Pro Leu Tyr Ser His His Leu Pro Thr Ser Pro Leu Gln
35 40 45

Lys Ala Leu Leu Ala Ala Gly Ser Ala Ala Met Ala Leu Tyr Asn Pro
50 55 60

Tyr Arg His Asp Met Val Ala Val Leu Gly Glu Thr Thr Gly His Arg
65 70 75 80

Thr Leu Lys Val Leu Arg Asp Gln Met Arg Arg Asp Pro Glu Gly Ala
85 90 95

Gln Ile Leu Gln Glu Arg Pro Arg Ile Ser Thr Ser Thr Leu Asp Leu
100 105 110

Gly Lys Leu Gln Ser Leu Pro Glu Gly Ser Leu Gly Arg Glu Tyr Leu
115 120 125

Arg Phe Leu Asp Val Asn Arg Val Ser Pro Asp Thr Arg Ala Pro Thr
130 135 140

Arg Phe Val Asp Asp Glu Glu Leu Ala Tyr Val Ile Gln Arg Tyr Arg
145 150 155 160

Glu Val His Asp Met Leu His Thr Leu Leu Gly Met Pro Thr Asn Ile
165 170 175

Leu Gly Glu Ile Val Val Lys Trp Phe Glu Ala Val Gln Thr Gly Leu
180 185 190

Pro Met Cys Ile Leu Gly Ala Phe Phe Gly Pro Ile Arg Leu Gly Ala
195 200 205

Gln Ser Leu Gln Val Leu Val Ser Glu Leu Ile Pro Trp Ala Val Gln

210	215	220
Asn Gly Arg Arg Ala Pro Cys Val Leu Asn Leu Tyr Tyr Glu Arg Arg		
225	230	235 240
Trp Glu Gln Ser Leu Arg Ala Leu Arg Glu Glu Leu Gly Ile Thr Ala		
	245	250 255
Pro Pro Met His Val Gln Gly Leu Ala		
	260	265

<210> 702
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 702
 Glu Lys Gln Leu Tyr Leu Glu Ser Tyr Cys Leu Gly Phe Leu Ile Arg
 1 5 10 15
 His Ser Ser Pro Asp
 20

<210> 703
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 703
 Met Val Lys Thr Val Phe Ala His Cys Phe Leu Leu Phe His Leu Val
 1 5 10 15
 Thr Asn Asp Gln Asp Asp Leu Ile Phe Phe Pro Ser
 20 25

<210> 704
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 704
 Met Ala Gly Arg Val Gly Tyr Leu Arg Tyr Cys Leu Phe Xaa Ile Ser
 1 5 10 15
 Ala Leu Leu Ile Phe
 20

<210> 705
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 705
 Met Cys Asn Leu Pro Glu Asn Leu Phe Cys Phe Trp Ser Thr Ser Gly
 1 5 10 15
 Val Ala Ser Gly Pro Arg Ala Phe Ala Thr Val Leu Pro Pro Ala Pro
 20 25 30
 Thr Ser Ser Val Cys Leu Gln Ser Leu Ile Tyr Arg Ser Pro Arg Cys
 35 40 45
 Leu Leu Tyr Ser Leu Cys Ala Trp Pro Phe Cys Tyr Leu Ala
 50 55 60

<210> 706
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 706
 Glu Leu Trp Trp Phe Trp Leu Leu Trp Thr Val Leu Ile Leu Phe Ser
 1 5 10 15
 Cys Cys Cys Ala Phe Arg His Arg Arg Ala Lys Leu Arg Leu Gln Gln
 20 25 30
 Gln Gln Arg Gln Arg Arg Asn Gln Leu Val Gly Leu Ser Trp Gly Met
 35 40 45
 Pro Trp Gly Trp Ser Phe Pro Tyr Arg Phe Thr Ala
 50 55 60

<210> 707
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 707
 Gly Arg Gly Pro Val Leu Gly Pro Met Val Tyr Ala Ile Cys Tyr Cys
 1 5 10 15
 Pro Leu Pro Arg Leu Ala Asp Leu Glu Ala Leu Lys Val Ala Asp Ser
 20 25 30
 Lys Thr Leu Leu Glu Ser Glu Arg Glu Arg Leu Phe Ala Lys Met Glu
 35 40 45

Asp Thr Asp Phe Val Gly Trp Ala Leu Asp Val Leu Ser Pro Asn Leu
 50 55 60
 Ile Ser Thr Ser Met Leu Gly Arg Val Lys Tyr Asn Leu Asn Ser Leu
 65 70 75 80
 Ser His Asp Thr Ala Thr Gly Leu Ile Gln Tyr Ala Leu Asp Gln Gly
 85 90 95
 Val Asn Val Thr Gln Val Phe Val Asp Thr Val Gly Cys Gln Arg His
 100 105 110
 Thr Arg Arg Gly Cys Ser Lys Val Phe Pro Gly Leu Arg
 115 120 125

<210> 708
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 708
 Met Leu Pro Asn Phe Ser Trp Leu Leu Leu Leu Cys His Thr Ala His
 1 5 10 15
 Arg Ser Cys Pro Pro Pro Pro Tyr Thr Pro Arg Pro His Pro Pro Val
 20 25 30
 Arg Gln Phe Lys Ser Cys
 35

<210> 709
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 709
 Met Leu Ser Gln Thr Asn Gly Ser His Val Ala Ser Thr Leu Leu Ser
 1 5 10 15
 Phe Ala Val Ala Trp Leu Gly Ile Leu Gly Ser Ser Pro Ser Pro Thr
 20 25 30
 Leu Ser Ala Pro Ser Gln Phe Leu Pro Gly Pro His Thr Leu Leu Gln
 35 40 45
 Leu Pro Thr Leu Leu Gln Ser His Cys Arg Pro
 50 55

<210> 710
 <211> 14

<212> PRT
<213> Homo sapiens

<400> 710
His Ser Ser Ile Ser Arg Ser Ser Leu Ser Cys Pro Tyr Ser
1 5 10

<210> 711
<211> 33
<212> PRT
<213> Homo sapiens

<400> 711
Met Phe Trp Thr Asn Leu Val Gln Tyr Val Phe Cys Leu Ser Phe Phe
1 5 10 15
Ile Leu Leu Leu Ser Gln Gln Val Glu Asn Leu Ala Leu Leu Gly Ser
20 25 30

Met

<210> 712
<211> 4
<212> PRT
<213> Homo sapiens

<400> 712
Phe Val Cys Ile
1

<210> 713
<211> 31
<212> PRT
<213> Homo sapiens

<400> 713
Met Ala Pro Leu Arg Arg Leu Thr Val Trp Arg Val Gly Leu Arg Leu
1 5 10 15
Gly Pro Ala Gly Ala Ala Gly Gly Pro Gly Glu Ala Ser Ser Val
20 25 30

<210> 714
<211> 4
<212> PRT
<213> Homo sapiens

<400> 714

Met Trp Asn Trp
1

<210> 715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 715
Met Gly Ala Thr Ala Arg Pro Gly Pro Thr Arg Gly Arg Trp Asp Ser
1 5 10 15
Cys Leu Arg Gln
20

<210> 716
<211> 56
<212> PRT
<213> Homo sapiens

<400> 716
Met Arg Ser Ile Trp Lys Pro Thr Arg Cys Trp Pro Leu Cys Thr Leu
1 5 10 15
Leu Arg Ser Thr Ser Ser Gln His Trp Gln Lys Pro Val Ser Thr Phe
20 25 30
Trp Arg Gln Val Trp Lys Pro Arg Thr Pro Ala Ser Cys Cys Pro Arg
35 40 45
Ala Gly Cys Leu Arg Ser Pro Ser
50 55

<210> 717
<211> 5
<212> PRT
<213> Homo sapiens

<400> 717
Met Val Lys Asn Leu
1 5

<210> 718
<211> 45
<212> PRT
<213> Homo sapiens

<400> 718
Ala Ala Ala Phe Val Gly Trp Leu Ser Gly Leu Leu Gly Phe Ser Phe

1	5	10	15
Met Val Ala Arg Trp His Tyr Ser Asn Ser Ser Ile Met Phe Val Phe			
20	25	30	
Lys Thr Glu Gly Lys Gly Asp Gly Leu Tyr Gln Ser Leu			
35	40	45	

<210> 719
 <211> 323
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (226)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (229)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 719

Met Glu Leu Ser Lys Ala Phe Ser Gly Gln Arg Thr Leu Leu Ser Ala			
1	5	10	15
Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr Thr Ser Leu Leu Ser			
20	25	30	
Asn Tyr Trp Phe Val Gly Thr Gln Lys Val Pro Lys Pro Leu Cys Glu			
35	40	45	
Lys Gly Leu Ala Ala Lys Cys Phe Asp Met Pro Val Ser Leu Asp Gly			
50	55	60	
Asp Thr Asn Thr Ser Thr Gln Glu Val Val Gln Tyr Asn Trp Glu Thr			
65	70	75	80
Gly Asp Asp Arg Phe Ser Phe Arg Ser Phe Arg Ser Gly Met Trp Leu			
85	90	95	
Ser Cys Glu Glu Thr Val Glu Glu Pro Gly Glu Arg Cys Arg Ser Phe			
100	105	110	
Ile Glu Leu Thr Pro Pro Ala Lys Arg Glu Asn Pro Met Val Ile Pro			
115	120	125	
Gly Asn Ala Asp His Leu His Arg Thr Ser Ile His Gln Leu Pro Pro			
130	135	140	

Ala Thr Asn Arg Leu Ala Thr His Trp Glu Pro Cys Leu Trp Ala Gln
 145 150 155 160
 Thr Glu Arg Leu Cys Cys Cys Phe Leu Cys Pro Val Arg Ser Pro Gly
 165 170 175
 Asp Val Ala His Met Met Tyr Ser Gln Val Phe Gln Ala Thr Val Asn
 180 185 190
 Leu Gly Pro Glu Asp Trp Arg Pro His Val Trp Asn Tyr Gly Trp Ala
 195 200 205
 Phe Tyr Met Ala Cys Ser Pro Ser Xaa Ala Ala Trp Arg Arg Leu Ser
 210 215 220
 Pro Xaa Ser Thr Xaa Thr Pro Gly Trp Cys Trp Ser Ser Ser Ala Ser
 225 230 235 240
 Ile Val Lys Ser Phe Lys Glu Asn Pro Asn Cys Leu Pro His His His
 245 250 255
 Gln Cys Phe Pro Arg Arg Leu Ser Ser Ala Ala Pro Thr Val Gly Pro
 260 265 270
 Leu Thr Ser Tyr His Gln Tyr His Asn Gln Pro Ile His Ser Val Ser
 275 280 285
 Glu Gly Val Asp Phe Tyr Ser Glu Leu Arg Asn Lys Gly Phe Gln Arg
 290 295 300
 Gly Ala Ser Gln Glu Leu Lys Glu Ala Val Arg Ser Ser Val Glu Glu
 305 310 315 320
 Glu Gln Cys

<210> 720
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 720
 Val Leu Ser Cys Trp Thr Trp Met Thr Trp Cys Gly Trp Leu Cys Pro
 1 5 10 15
 Thr Pro Ser Ala Ser Thr His Thr Ser Arg Asn Cys Thr Ala Ala Leu
 20 25 30
 Cys Arg Lys Asp Trp
 35

<210> 721

<211> 7
<212> PRT
<213> Homo sapiens

<400> 721
Phe Val Lys Leu Arg His Pro
1 5

<210> 722
<211> 34
<212> PRT
<213> Homo sapiens

<400> 722
Met Ala Ala Met Arg His Leu Leu Arg Leu Phe Ser Gly Cys Gly Asp
1 5 10 15
Leu Gly Phe Leu Thr Leu Tyr Ile Phe Phe Leu Tyr Ser Lys Gln Asn
20 25 30
Asn Phe

<210> 723
<211> 38
<212> PRT
<213> Homo sapiens

<400> 723
Met Leu Arg Leu Ala Gly Pro Pro Phe Tyr Trp Pro Val Leu Leu Ala
1 5 10 15
Leu Leu Pro Phe Ala Ser Ser Gly Phe Gln Val Ser Leu Lys Val Gly
20 25 30
Gly Cys Leu Ser Ser Leu
35

<210> 724
<211> 12
<212> PRT
<213> Homo sapiens

<400> 724
Met Thr Ser Val Gln Gln Phe Cys Ile Tyr SerGlu
1 5 10

<210> 725
<211> 16

<212> PRT
<213> Homo sapiens

<400> 725
Met Arg Gly Lys His Val Cys Leu Leu Leu Leu Leu Gly Arg Phe
1 5 10 15

<210> 726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 726
Met Pro Gln Ala Ser Thr His Ile Lys Ala Pro Pro Pro Pro Ser Pro
1 5 10 15

Glu Pro Gly Asn
20

<210> 727
<211> 129
<212> PRT
<213> Homo sapiens

<400> 727
Met Phe His Leu Gln Pro Leu Met Phe Leu Gly Leu Phe Pro Leu Phe
1 5 10 15

Ala Val Phe Glu Gly Leu His Leu Ser Thr Ser Glu Lys Ile Phe Arg
20 25 30

Phe Gln Asp Thr Gly Leu Leu Leu Arg Val Leu Gly Ser Leu Phe Leu
35 40 45

Gly Gly Ile Leu Ala Phe Gly Leu Gly Phe Ser Glu Phe Leu Leu Val
50 55 60

Ser Arg Thr Ser Ser Leu Thr Leu Ser Ile Ala Gly Ile Phe Lys Glu
65 70 75 80

Val Cys Thr Leu Leu Leu Ala Ala His Leu Leu Gly Asp Gln Ile Ser
85 90 95

Leu Leu Asn Trp Leu Gly Phe Ala Ser Ala Ser Arg Glu Tyr Pro Ser
100 105 110

Thr Leu Pro Ser Lys Pro Cys Ile Pro Glu Val Met Val Ala Pro Arg
115 120 125

Pro

<210> 728
<211> 13
<212> PRT
<213> Homo sapiens

<400> 728
Gln Lys Ala Ala Leu Arg Leu Pro Phe Pro Val Leu Leu
1 5 10

<210> 729
<211> 33
<212> PRT
<213> Homo sapiens

<400> 729
Met Ala Ser Thr Thr Leu Trp Leu Leu Trp Lys Thr Trp Leu Ser Ser
1 5 10 15
Gly Leu Arg Cys Val Gln Arg Val Pro Ser Arg Val Phe Tyr Ser Gly
20 25 30

Cys

<210> 730
<211> 8
<212> PRT
<213> Homo sapiens

<400> 730
Met Ser Leu Leu Leu Phe Leu Phe
1 5

<210> 731
<211> 36
<212> PRT
<213> Homo sapiens

<400> 731
Met Thr Ser Gly Glu Pro Trp Ala Cys Ala Gly Cys Ser PhePro Ala
1 5 10 15
Thr Ala Ala Ala Ser Asp Phe Ala Ser Val Leu Pro Gly Val Glu Gly
20 25 30
Ser Val Cys Cys
35

<210> 732
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 732
 Met Ser His Phe Arg Pro Ala Arg Cys Leu Pro Gly Pro Cys Gln Thr
 1 5 10 15
 Leu Leu Thr Phe Pro Leu Leu Val Cys Ala Gly Leu Arg Arg Pro Pro
 20 25 30
 Arg Pro His Ser Thr Gln Pro Gly Ser Ser Cys Ser Pro Arg His Pro
 35 40 45
 Ser Phe Pro Ser Leu Ser Trp Val Met Leu Leu Pro Pro Cys Val Thr
 50 55 60
 Phe Glu Ala Val Lys
 65

<210> 733
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 733
 Met Gly Arg Lys Leu Ser Ser Pro Thr Thr Pro Arg Asp Met Leu Leu
 1 5 10 15
 Ser Pro Thr Leu Arg Pro Arg Arg Arg Cys Leu Glu Ser Ser Val Asp
 20 25 30
 Asp Ala Gly Cys Pro Asp Leu Gly Lys Glu Pro Leu Val Phe Gln Asn
 35 40 45
 Arg Gln Phe Ala His Leu Met Glu Glu Pro Leu Gly Ser Asp Pro Phe
 50 55 60
 Ser Trp Lys Leu Pro Ser Leu Asp Tyr Glu Arg Lys Thr Lys Val Asp
 65 70 75 80
 Phe Asp Asp Phe Leu Pro Ala Ile Arg Lys Pro Gln Thr Pro Thr Ser
 85 90 95
 Leu Ala Gly Ser Ala Lys Gly Gly Gln Asp Gly Ser Gln Arg Ser Ser
 100 105 110
 Ile His Phe Glu Thr Glu Glu Ala Asn Arg Ser Phe Leu Ser Gly Ile
 115 120 125
 Lys Thr Ile Leu Lys Lys Ser Pro Glu Pro Lys Glu Asp Pro Ala His

130 135 140
 Leu Ser Asp Ser Ser Ser Ser Ser Gly Ser Ile Val Ser P~~a~~ Lys Ser
 145 150 155 160
 Ala Asp Ser Ile Lys Ser Arg Pro Gly Ile Pro Arg Leu Ala Gly Asp
 165 170 175
 Gly Gly Glu Arg Thr Ser Pro Glu Arg Arg Glu Pro G~~y~~ Thr Gly Arg
 180 185 190
 Lys Asp Asp Asp Val Ala Ser Ile Met Lys Lys Tyr Leu Gln Lys
 195 200 205

<210> 734
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 734
 Met Phe Gln Ala Pro Ala Leu Ala Phe Leu Ser Gly Leu Gln Leu Ser
 1 5 10 15
 Phe Val Ala Cys Ser Ile Tyr
 20

<210> 735
 <211> 30
 <212> PRT
 <213> Homo sapiens
 <400> 735
 Phe Cys Leu Phe Val Cys Leu Phe Cys Met Ala His Val Phe Thr Ile
 1 5 10 15
 Pro Gly Ala Leu Pro Ser Phe Val Trp Ile Gln Phe Ser Ile
 20 25 30

<210> 736
 <211> 21
 <212> PRT
 <213> Homo sapiens
 <400> 736
 Met Trp Leu Ser Ala Phe Phe Leu Ala Arg Leu Ala Asp Ser Val Leu
 1 5 10 15
 Glu Glu Ser Ile Ile
 20

<210> 737
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 737
 Met Ala Ser Trp Ile Cys Val Phe Cys Thr Ser Pro Ser Gly Cys Ser
 1 5 10 15
 Ala Thr Cys Leu Val Cys Tyr Pro Ala Phe Pro
 20 25

<210> 738
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 738
 Met Leu Phe Phe Phe Ser Ile Ala Leu Ser Ser Phe Phe Phe Leu Asn
 1 5 10 15
 Leu Phe Leu Cys Leu Cys Asn Ser Arg Val Ile Gly Ile Val Leu Thr
 20 25 30
 Ile Ser

<210> 739
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 739
 Glu Arg Cys Leu Ser Leu Leu Phe Ala Ala Ile Ile Lys Ile Pro Ile
 1 5 10 15
 His Gly Val Asn Tyr Asn Glu Glu Lys Phe Ile Ser Trp Ser Ser Gly
 20 25 30
 Gly Trp Gly Val Pro Lys Ser Arg Cys Trp His Leu Val Arg Ser Phe
 35 40 45
 Leu Leu Ser Thr Pro Trp Trp Arg Val Glu Gly Gln Lys Glu Arg Glu
 50 55 60
 Gly Trp Arg Pro Ile Gly Gly
 65 70

<210> 740
 <211> 32

<212> PRT
<213> Homo sapiens

<400> 740

Met Ser Val Phe Arg Val Ile Gln Ile Leu Leu Phe Pro Phe Ser Leu
1 5 10 15
Arg Tyr Ser Leu Gly Asp Leu Met Tyr Leu Asn Leu Thr Thr Ile Tyr
20 25 30

<210> 741
<211> 14
<212> PRT
<213> Homo sapiens

<400> 741

Met Ser Thr Phe Leu Trp Asp Ile Gln Thr Thr Tyr Cys Phe
1 5 10

<210> 742
<211> 118
<212> PRT
<213> Homo sapiens

<400> 742

Met Asp Leu Ala Gly Leu Leu Lys Ser Gln Phe Leu Cys His Leu Val
1 5 10 15
Phe Cys Tyr Val Phe Ile Ala Ser Gly Leu Ile Ile Asn Thr Ile Gln
20 25 30
Leu Phe Thr Leu Leu Leu Trp Pro Ile Asn Lys Gln Leu Phe Arg Lys
35 40 45
Ile Asn Cys Arg Leu Ser Tyr Cys Ile Ser Ser Arg Leu Gln Gly Pro
50 55 60
Gly Gln Glu Arg Ala Gly Leu Cys Pro Asn Tyr Arg Leu Asp Val Val
65 70 75 80
Leu His Arg Asp Gly Leu Leu Phe Ala Gln Val Gly Ala Gly Ser Gln
85 90 95
Asp Gly Cys His Gln Phe Ala Ala Pro Pro Gly Leu Pro Arg Glu Val
100 105 110
Phe Phe Pro Asp Ser Leu
115

<210> 743
<211> 42
<212> PRT
<213> Homo sapiens

<400> 743
Glu Trp Val Lys Gly Ile Val Ile Trp Gln Phe Tyr Leu Leu Phe Tyr
1 5 10 15
Ala Cys Leu Ser Ser Ala Cys Leu Phe Ser Pro Ser Ala Asn Ile Pro
20 25 30
Phe Met Pro Trp Ala Phe Ser Thr Val Leu
35 40

<210> 744
<211> 54
<212> PRT
<213> Homo sapiens

<400> 744
Met Trp Cys Leu Ser His Leu Ser Leu Ser Leu Ser Leu Ser His Leu
1 5 10 15
Ser Leu Ala Arg Arg Ala Gly Arg Pro Met Pro Trp Cys Pro Ala Thr
20 25 30
Gln Leu Val Ile Leu Trp Leu Gln Asn Trp Trp Ser Pro Met Met Asp
35 40 45
Met Arg Arg Ser Leu Arg
50

<210> 745
<211> 33
<212> PRT
<213> Homo sapiens

<400> 745
Leu Pro Arg Leu Gln Ser Ala Leu Leu Leu Leu Pro Leu Pro Pro Thr
1 5 10 15
Leu Gln Gly His Val Arg Ala Pro Ile Tyr Pro Pro Pro Ala Cys Arg
20 25 30
Ser

<210> 746
<211> 18

<212> PRT
 <213> Homo sapiens

<400> 746
 Met Pro His Pro Cys Leu Pro Val Ser Thr His Leu Glu Gly Arg Trp
 1 5 10 15
 Gly Cys

<210> 747
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 747
 Lys Leu Leu Tyr Thr Thr Leu Arg His Pro Lys Cys Phe Leu Gln Arg
 1 5 10 15
 Leu Ser Leu Glu Asn Cys His Leu Thr Glu Ala Asn Cys Lys AspLeu
 20 25 30
 Ala Ala Val Leu Val Val Ser Arg Glu Leu Thr His Leu Cys Leu Ala
 35 40 45
 Lys Asn Pro Ile Gly Asn Thr Gly Val Lys Phe Leu Cys Glu Gly Leu
 50 55 60
 Arg Tyr Pro Glu Cys Lys Leu Gln Thr Leu Val Leu Trp Asn Cys Asp
 65 70 75 80
 Ile Thr Ser Asp Gly Cys Cys Asp Leu Thr Lys Leu Leu Gln Glu Lys
 85 90 95
 Ser Ser Leu Leu Cys Leu Asp Leu Gly Leu Asn His Ile Gly Val Lys
 100 105 110
 Gly Met Lys Phe Leu Cys Glu Ala Leu Arg Lys Pro Leu Cys Asn Leu
 115 120 125
 Arg Cys Leu Trp Leu Trp Gly Cys Ser Ile Pro Pro Phe Ser Cys Glu
 130 135 140
 Asp Leu Cys Ser Ala Leu Ser Cys Asn Gln Ser Leu Val Thr Leu Asp
 145 150 155 160
 Leu Gly Gln Asn Pro Leu Gly Ser Ser Gly Val Lys Met Leu Phe Glu
 165 170 175
 Thr Leu Thr Cys Ser Ser Gly Thr Leu Arg Thr Leu Arg Leu Lys Ile
 180 185 190
 Asp Asp Phe Asn Asp Glu Leu Asn Lys Leu Leu Glu Glu Ile Glu Glu
 195 200 205

Lys Asn Pro Gln Leu Ile Ile Asp Thr Glu Lys His His Pro Trp Glu
210 215 220

Glu Arg Pro Ser Ser His Asp Phe Met Ile
225 230

<210> 748

<211> 8

<212> PRT

<213> Homo sapiens

<400> 748

Ser Leu Phe Trp Gly Cys Pro Trp
1 5

<210> 749

<211> 12

<212> PRT

<213> Homo sapiens

<400> 749

Ala Gly Gly Leu Gly Leu His Ala Arg Cys Trp Arg
1 5 10

<210> 750

<211> 22

<212> PRT

<213> Homo sapiens

<400> 750

Ile Leu Ile Phe Met Val Phe Pro Phe Val Leu Val Phe Ala Ser Leu
1 5 10 15

Thr Ser Val Ile Ser Ile
20

<210> 751

<211> 18

<212> PRT

<213> Homo sapiens

<400> 751

Met Val Ala Trp Thr Ser Thr Trp Ser Arg Ala Trp Gln Ser Thr Leu
1 5 10 15

Arg Met

<210> 752
 <211> 151
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 752
 Met Arg Val Xaa Ala Pro Arg Thr Xaa Leu Leu Leu Leu Xaa Gly Ala
 1 5 10 15
 Xaa Ala Leu Thr Glu Thr Trp Ala Gly Ser HisSer Met Arg Tyr Phe
 20 25 30
 Tyr Thr Ala Xaa Ser Arg Pro Gly Arg Gly Glu Pro Arg Phe Ile Ala
 35 40 45
 Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp SerAsp Ala
 50 55 60
 Arg Val Arg Gly Xaa Ser Xaa Gly Arg Leu Arg Arg Gln Gly Leu His
 65 70 75 80
 Arg Pro Glu Arg Gly Pro Xaa Leu Leu Asp Arg Xaa Gly His Xaa Gly
 85 90 95
 Ser Asp His Pro Ala Gln Val Gly Gly Gly Pro Xaa Gly Gly Ala Ala
 100 105 110
 Glu Ser Leu Pro Gly Gly Xaa Val Arg Gly Val Ala Pro Gln Ile Pro
 115 120 125
 Gly Glu Arg Glu Gly Asp Ala Ala Ala Arg Gly Pro Pro Lys Asp Thr
 130 135 140
 Arg Asp Pro Pro Pro Xaa Leu
 145 150

<210> 753
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 753
 Leu Leu Arg Pro Leu Ala Trp Leu Val Leu Arg Ala Pro Arg Gly Gly
 1 5 10 15
 Ala Gln Thr Pro Leu Tyr Cys Ala Leu Gln Glu Gly Ile Glu Pro Leu

20					25					30					
Ser	Gly	Arg	Tyr	Phe	Ala	Asn	Cys	His	Val	Glu	Glu	Val	Pro	Pro	Ala
		35					40					45			
Ala	Arg	Asp	Asp	Arg	Ala	Ala	His	Arg	Leu	Trp	Glu	Ala	Ser	Lys	Arg
		50					55					60			
Leu	Ala	Gly	Leu	Gly	Pro	Gly	Glu	Asp	Ala	Glu	Pro	Asp	Glu	Asp	Pro
		65					70					75			80
Gln	Ser	Glu	Asp	Ser	Glu	Ala	Pro	Ser	Ser	Leu	Ser	Thr	Pro	His	Pro
				85					90					95	
Glu	Glu	Pro	Thr	Val	Ser	Gln	Pro	Tyr	Pro	Ser	Pro	Gln	Ser	Ser	Pro
			100					105					110		
Asp	Leu	Ser	Lys	Met	Thr	His	Arg	Ile	Gln	Ala	Lys	Val	Glu	Pro	Glu
		115					120					125			
Ile	Gln	Leu	Ser												
		130													

<210> 754
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 754															
Glu	Thr	Val	Gly	Cys	Gly	Phe	Ser	Leu	Ser	Phe	Phe	Phe	Asn	Phe	Leu
1				5					10					15	
Cys	Trp	Val	Phe	Glu	Gln	Pro	His	Val	Pro	Phe	Pro	Gly	Ser	Leu	Leu
			20					25					30		
Ile	Tyr	Leu	Leu	Glu	Leu	Lys	Trp	Met	Gly	Ser	Arg	Ala	Leu	Cys	Val
		35					40					45			
Ser	Met	Leu	Cys	Phe	Leu	Thr	Arg	Leu	His	Ser	Glu	Ala	Leu	Met	Pro
	50					55					60				
Phe	Gly														
	65														

<210> 755
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 755															
Met	Ala	Thr	Leu	Ser	Leu	Arg	Ala	Gly	Leu	Gly	Phe	Cys	Phe	Leu	Leu
1				5					10					15	

Gly Leu Thr Glu Tyr Phe Val Gly Phe His Leu Ile Pro
 20 25

<210> 756
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 756
 Met Pro Leu Val Pro Leu Leu Leu Ser Cys Pro Pro Thr TrpLeu Ala
 1 5 10 15
 Arg Phe Gly Val Ser Leu Pro Cys Ser Gly Ile Pro Val Leu Ala
 20 25 30

<210> 757
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 757
 Met Thr Cys Cys Leu Leu Arg Ser Gly Val Pro Val Cys Leu Ser Leu
 1 5 10 15

<210> 758
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 758
 Met Gly Leu Arg Arg His Phe Pro Ala Leu Trp Val Leu Trp Trp Pro
 1 5 10 15
 Trp Cys Pro Ser Trp Arg Gln Thr Arg Thr Pro Ser Ala Pro Ser Met
 20 25 30
 Gln Met Ala Thr Arg
 35

<210> 759
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 759
 Cys Gly Thr Ala Tyr Cys Leu Phe Thr Pro Ser Pro Gly Met Pro Gln

1	5	10	15
Ala Ser Ala Phe His Cys Ser Ser Leu Phe			
	20	25	

<210> 760
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 760
 Met Leu Leu Gly Thr Tyr Phe Lys Val Tyr Leu Ile Phe Lys Cys Phe
 1 5 10 15
 Tyr Ile Phe Leu Tyr Lys Ser Arg Lys Met His Phe His Leu Gln Lys
 20 25 30
 Ser

<210> 761
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 761
 Met Gly Leu Val Glu Arg Leu Leu Xaa Cys Phe Thr His Gly Leu Trp
 1 5 10 15
 Gln Phe Ala Gln Thr Ala Pro Ile Arg Thr Pro Leu Ala Ala Phe Ala
 20 25 30

<210> 762
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 762
 Met Trp Phe Met Tyr Leu Leu Ser Trp Leu Ser Leu Phe Ile Gln Val
 1 5 10 15
 Ala Phe Ile Thr Leu Ala Val Ala Ala Gly Leu Tyr Tyr Leu Ala Glu
 20 25 30

Leu Ile Glu Glu Tyr Thr Val Ala Thr Ser Arg Ile Ile Lys Tyr Met
 35 40 45
 Ile Trp Phe Ser Thr Ala Val Leu Ile Gly Leu Tyr Val Phe Glu Arg
 50 55 60
 Phe Pro Thr Ser Met Ile Gly Val Gly Leu Phe Thr Asn Leu Val Tyr
 65 70 75 80
 Phe Gly Leu Leu Gln Thr Phe Pro Phe Ile Met Leu Thr Ser Pro Asn
 85 90 95
 Phe Ile Leu Ser Cys Gly Leu Val Val Val Asn His Tyr Leu Ala Phe
 100 105 110
 Gln Phe Phe Ala Glu Glu Tyr Tyr Pro Phe Ser Glu Val Leu Ala Tyr
 115 120 125
 Phe Thr Phe Cys Leu Trp Ile Ile Pro Phe Ala Phe Phe Val Ser Leu
 130 135 140
 Ser Ala Gly Glu Asn Val Leu Pro Ser Thr Met Gln Pro Gly Asp Asp
 145 150 155 160
 Val Val Ser Asn Tyr Phe Thr Lys Gly Lys Arg Gly Lys Arg Leu Gly
 165 170 175
 Ile Leu Val Val Phe Ser Phe Ile Lys Glu Ala Ile Leu Pro Ser Arg
 180 185 190
 Gln Lys Ile Tyr
 195

<210> 763
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 763
 Met Arg Gln Arg Gln Ser His Tyr Cys Ser Val Leu Phe Leu Ser Val
 1 5 10 15
 Asn Tyr Leu Gly Gly Thr Phe Pro Val Tyr Gln Lys Ser Arg Asn Leu
 20 25 30
 Gln Arg Asp Lys Ile Gln Glu Thr Phe Ala Gln Lys Arg Ile Lys
 35 40 45

<210> 764
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 764

Gly Arg Arg Arg Ala Gln Leu Leu Trp His Ile Ile Phe Leu Gln Leu
1 5 10 15

Tyr Phe Trp Ala Arg Trp Gln Arg Glu Gly Ser Val Met Pro Pro His
20 25 30

Arg His Ser Ile Arg Arg Arg Val Asp Ser Phe Trp Met Leu
35 40 45

<210> 765

<211> 22

<212> PRT

<213> Homo sapiens

<400> 765

Met Leu Leu Ala Val Ile Leu Gln Leu Ile Pro Pro Val Thr Lys Ala
1 5 10 15

Phe Val Tyr Glu Leu Thr
20

<210> 766

<211> 5

<212> PRT

<213> Homo sapiens

<400> 766

Met Pro Cys Leu Phe
1 5

<210> 767

<211> 29

<212> PRT

<213> Homo sapiens

<400> 767

Met Gly Lys Lys His His Val Gly Arg Thr Ala Trp Val Phe Ala Leu
1 5 10 15

Val Val Val Cys Ile Leu Gly Pro Leu Leu Cys Ser Ser
20 25

<210> 768

<211> 43

<212> PRT

<213> Homo sapiens

<400> 768

Met Val Pro Leu Leu Arg Leu Cys Ser Ser Phe Val Leu Leu Leu Phe
1 5 10 15

Cys Tyr Val Thr Ala Lys Lys Lys Lys Lys Glu Lys Lys Ser Ala
20 25 30

Asn Cys Val His Ala Phe Leu Pro Ala Gly Met
35 40

<210> 769

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring amino acids

<400> 769

Met Arg Ala Phe Ile Trp Thr Cys Gly Thr Trp Thr Leu Trp Ser Leu
1 5 10 15

Ser Asp Arg Ser Leu Gly Ser Ser Arg IleCys Met Gly Phe Ala Gly
20 25 30

Ser Leu Lys Arg Pro Gly Arg Thr Lys Ala Xaa Thr Thr Phe Trp Gly
35 40 45

Thr Trp Phe
50

<210> 770

<211> 90

<212> PRT

<213> Homo sapiens

<400> 770

Met Asn Ile Lys Cys Phe Val Met Cys Gly Gly Leu Tyr Leu Ala Ser
1 5 10 15

Ile Leu Val Thr Trp Arg Glu His Gly Ser Pro His Phe Leu Asp Glu
20 25 30

His Thr Asn Val Leu Arg Lys Cys Met Ile Gly Ser Lys Leu Gln Asn
35 40 45

His Leu Pro Ser Arg Ile Ile Pro Ile Ile Cys Thr Ala Ser Pro Gly
50 55 60

Ala Asn Gly Phe Ile Gln Arg Gly Ser Thr Glu Leu Trp Val Ile Arg
65 70 75 80

Arg Gln Tyr Pro Arg Val Arg Val Phe Pro
85 90

<210> 771
<211> 50
<212> PRT
<213> Homo sapiens

<400> 771
Met Tyr Ile Phe Glu Leu Ser Leu Tyr Leu Glu Gly Thr Ser Phe Val
1 5 10 15
Val Val Leu Leu Phe Leu Leu Ile Ser Val Ser Leu Asp Ser Pro Pro
20 25 30
Thr Thr Lys Gly Trp Gly Leu Cys Leu Thr Tyr Leu Gly Ala Leu Ile
35 40 45
Val Gln
50

<210> 772
<211> 3
<212> PRT
<213> Homo sapiens

<400> 772
Val Glu Arg
1

<210> 773
<211> 32
<212> PRT
<213> Homo sapiens

<400> 773
Met Gly Ser Trp Leu Trp Thr Val Ala Asn Leu Leu His Ile Pro Pro
1 5 10 15
Asn Leu Tyr Arg Met Leu Ala Gly Arg TrpGln Arg Ala His Trp Asp
20 25 30

<210> 774
<211> 24
<212> PRT

<213> Homo sapiens

<400> 774

Met Ala Ser Glu Leu Ala Arg Leu Leu His Ala Phe Gly Leu Met Gly
1 5 10 15

Pro Arg Lys Ala Gly Glu Ser Ser
20

<210> 775

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring amino acids

<400> 775

Met Gln Leu Glu Ala Leu Asn Leu Leu His Thr Leu Val Trp Ala Arg
1 5 10 15

Ser Leu Cys Arg Ala Gly Ala Val Gln Thr Gln Glu Arg Leu Xaa Gly
20 25 30

Ser Ala Ser Pro Glu Gln Val Pro Ala Gly Glu Cys Cys Ala Leu Gln
35 40 45

Glu Tyr Glu Ala Ala Val Gly Ala Ala Gln Glu Arg Ala Asp Pro Gly
50 55 60

Ala Gly
65

<210> 776

<211> 39

<212> PRT

<213> Homo sapiens

<400> 776

Met Leu Leu Glu Lys Val Ile Arg Leu Arg Cys Ser Cys Phe Val Leu
1 5 10 15

Leu Cys Phe Ser Leu Ser Trp Val Gly Val Ser Ser Ser Asn Asp Val
20 25 30

Gln Val Asp Leu Phe Ser His
35

<210> 777

<211> 71
 <212> PRT
 <213> Homo sapiens

<400> 777
 Met Asn Gly Lys Trp Ser Leu Met Cys Ser Val Ser Leu Val Ala Leu
 1 5 10 15
 Gln Leu Thr Val Ala Pro Ala Gly His Pro Ala Gln Asn Ala Gln Lys
 20 25 30
 Arg Thr Met His Thr Cys Thr Ala Phe Glu Ser His Glu Leu Glu Ala
 35 40 45
 Val Val Arg Ala Ser Lys Glu Pro Thr Val Trp Cys Ala Val Gly Ile
 50 55 60
 Trp Arg Gly Arg Gly Pro Gly
 65 70

<210> 778
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 778
 Met Leu Ala Thr Ser Gln Ala Leu Asp Thr Val Trp Arg Met Ala Lys
 1 5 10 15
 Gly Phe Val Met Leu Ala Val Ser Phe Leu Val Ala Ala Ile Cys Tyr
 20 25 30
 Phe Arg Arg Leu His Leu Tyr Ser Gly His Lys Leu Lys Trp Trp Ile
 35 40 45
 Gly Tyr Leu Gln Arg Lys Phe Lys Arg Asn Leu Ser Val Glu Ala Glu
 50 55 60
 Val Asp Leu Leu Ser Tyr Cys Ala Arg Glu Trp Lys Gly Glu Thr Pro
 65 70 75 80
 Arg Asn Lys Leu Met Arg Lys Ala Tyr Glu Glu Leu Phe Trp Arg His
 85 90 95
 His Ile Lys Cys Val Arg Gln Val Arg Arg Asp Asn Tyr Asp Ala Leu
 100 105 110
 Arg Ser Val Leu Phe Gln Ile Phe Ser Gln Gly Ile Ser Phe Pro Ser
 115 120 125
 Trp Met Lys Glu Lys Asp Ile Val Lys Leu Pro Glu Lys Leu Leu Phe
 130 135 140
 Ser Gln Gly Cys Asn Trp Ile Gln Gln Tyr Ser Phe Gly Pro Glu Lys
 145 150 155 160

Tyr Thr Gly Ser Asn Val Phe Gly Lys Leu Arg Lys Tyr Val Glu Leu
 165 170 175
 Leu Lys Thr Gln Trp Thr Glu Phe Asn Gly Ile Arg Asp Tyr His Lys
 180 185 190
 Arg Gly Ser Met Cys Asn Thr Leu Phe Ser Asp Ala Ile Leu Glu Tyr
 195 200 205
 Lys Leu Tyr Glu Ala Leu Lys Phe Ile Met Leu Tyr Gln Val Thr Glu
 210 215 220
 Val Tyr Glu Gln Met Lys Thr Lys Lys Val Ile Pro Ser Leu Phe Arg
 225 230 235 240
 Leu Leu Phe Ser Arg Glu Thr Ser Ser Asp Pro Leu Ser Phe Met Met
 245 250 255
 Asn His Leu Asn Ser Val Gly Asp Thr Cys Gly Leu Glu Gln Ile Asp
 260 265 270
 Met Phe Ile Leu Gly Tyr Ser Leu Glu Val Lys Ile Lys Val Phe Arg
 275 280 285
 Leu Phe Lys Phe Asn Ser Arg Asp Phe Glu Val Cys Tyr Pro Glu Glu
 290 295 300
 Pro Leu Arg Asp Trp Pro Glu Ile Ser Leu Leu Thr Glu Asn Asp Arg
 305 310 315 320
 His Tyr His Ile Pro Val Phe
 325

<210> 779
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 779
 Met Phe Glu Cys Tyr Cys Leu
 1 5

<210> 780
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 780
 Met Tyr Gln Thr Pro Met Glu Val Ala Val Tyr Gln Leu His Asn Phe
 1 5 10 15

Ser Ile Ser Phe Phe Ser Ser Leu Leu Gly Gly Asp Val Val Ser Val

	20		25		30										
Lys	Leu	Asp	Asn	Ser	Ala	Ser	Gly	Ala	Ser	Val	Val	Ala	Ile	Asp	Asn
		35					40					45			
Lys	Ile	Glu	Gln	Ala	Met	Asp	Leu	Val	Lys	Asn	His	Leu	Met	Tyr	Ala
	50					55					60				
Val	Arg	Glu	Glu	Val	Glu	Ile	Leu	Lys	Glu	Gln	Ile	Arg	Glu	Leu	Val
65					70				75					80	
Glu	Lys	Asn	Ser	Gln	Leu	Glu	Arg	Glu	Asn	Thr	Leu	Leu	Lys	Thr	Leu
				85					90					95	
Ala	Ser	Pro	Glu	Gln	Leu	Glu	Lys	Phe	Gln	Ser	Cys	Leu	Ser	Pro	Glu
			100					105						110	
Glu	Pro	Ala	Pro	Glu	Ser	Pro	Gln	Val	Pro	Glu	Ala	Pro	Gly	Gly	Ser
		115					120					125			
Ala	Val														
	130														

<210> 781
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 781															
Met	Asn	Ser	Gln	Val	Leu	Tyr	Phe	Thr	Val	Leu	Val	Cys	Leu	Met	Glu
1				5					10					15	
Ile	Ser	Arg	Trp	Ser	His	Lys	Asn	Ile	Leu	Cys	Ser	Val	Pro	Ser	Lys
		20						25					30		
Arg	Thr	Ile	Tyr	Phe	Ser	Ser	Leu	Ile	Val	Pro	Gln	Ser	His	Ile	Trp
		35					40					45			
Trp	Trp	Ser	Ala	Lys	Ser	His	Leu	Val							
	50					55									

<210> 782
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 782															
Ala	Leu	Trp	Leu	Leu	Leu	Gln	Leu	Ser							
1						5									

<210> 783

<211> 16
<212> PRT
<213> Homo sapiens

<400> 783
Phe Leu Ile Ser Leu Cys Ile Leu Ile Pro Phe Leu Ile Leu Ser Pro
1 5 10 15

<210> 784
<211> 19
<212> PRT
<213> Homo sapiens

<400> 784
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15

Leu Tyr Leu

<210> 785
<211> 58
<212> PRT
<213> Homo sapiens

<400> 785
Met Gly Phe Pro Leu Trp Ile Thr Arg Pro Phe Ser Leu Ala Ala Leu
1 5 10 15

Asn Val Phe Phe Ile Pro Phe Asn Leu Gly Glu Ser Asp Asp Tyr Val
20 25 30

Ser Trp Gly Cys Ser Ser Arg Glu Val Ser Leu Trp Trp Ser Leu Ser
35 40 45

Phe Leu Asn Leu Asn Val Gly Leu Ser Cys
50 55

<210> 786
<211> 75
<212> PRT
<213> Homo sapiens

<400> 786
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly

20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 787
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 787
 Met Gly Leu Trp Trp Arg Cys
 1 5

<210> 788
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 788
 Met Ala Leu Leu Ile Leu Leu Phe Cys Ile Leu Lys Tyr Lys Gln Leu
 1 5 10 15
 Asp Ile Ala Glu Asp Gly Ser Gly Gly Gln Gly Gln Ile Ser Gln Met
 20 25 30

<210> 789
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 789
 Met Lys Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu
 1 5 10 15
 Ala Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys
 20 25 30
 Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln Arg
 35 40 45
 Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile An Met Ala

50 55 60
 Phe Cys Phe Ser Met
 65

 <210> 790
 <211> 124
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 790
 Glu Leu Leu Ile Leu Asn Phe Cys Lys Cys Phe Leu Leu Gln Ser Met
 1 5 10 15
 Val Phe Ala Lys Thr Cys Gly Ser Trp Arg Ser Gln Ala Cys Leu Val
 20 25 30
 Gly Thr Ser Met Arg Ser Val Leu Asn Pro Arg Val Lys Ser Gly Arg
 35 40 45
 Phe Val Lys Ile Leu Pro Asp Tyr Glu His Met Ala Tyr Arg Asp Val
 50 55 60
 Tyr Thr Cys Leu Leu His Arg Tyr Arg His Ile Leu Gly Leu Trp Gln
 65 70 75 80
 Pro Asp Ile Gly Pro Tyr Gly Gly Leu Leu Asn Val Val Val Asp Gly
 85 90 95
 Leu Phe Ile Ile Gly Xaa Met Arg Arg Ala Pro Pro Ile Cys Thr Val
 100 105 110
 His Ser Thr Ser Ile Ala Phe Leu Phe Tyr Phe Phe
 115 120

 <210> 791
 <211> 21
 <212> PRT
 <213> Homo sapiens

 <400> 791
 Met Phe Lys Val Arg Gly Phe Leu Ser Ile Cys Leu Val Phe Cys Trp
 1 5 10 15
 Gln Val Thr Cys Arg
 20

<210> 792
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 792
 Met Ile Phe Pro Lys Ile Cys Pro Ile Ser Pro Asn Leu Val Ser Val
 1 5 10 15
 Leu Ser Leu Val Phe Phe Trp Thr Leu Leu Gly Ser Arg Arg Val Cys
 20 25 30
 Tyr Gln Phe Ser Arg Leu Gly Glu Val Arg Ser Gly Glu Gln Leu
 35 40 45

<210> 793
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 793
 Met Leu Ser Pro Ser Gln Thr Pro Gly Ser Cys Leu Lys Trp Ala Pro
 1 5 10 15
 Ser Trp Val Thr Arg Cys Thr Phe Trp Thr Leu Val Val Ala Ser Leu
 20 25 30
 Ala Gln Lys Gly Pro Lys
 35

<210> 794
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 794
 Met Ala Asp Thr Ala Cys Asp Ser Asp Val Leu Leu Gln Leu Val Leu
 1 5 10 15
 Val Trp Leu Gly Glu Val Leu Gly Val Ile Gly Asp Cys Pro Glu Leu
 20 25 30
 Val Gln Arg Ser Phe Leu Val Ala Ser Val Leu Pro Gly Pro Asp Gly
 35 40 45
 Asn Ile Asn Ser Pro Thr Arg Asn Ala Asp Met Gln Glu Glu Leu Ile
 50 55 60
 Ala Ser Leu Glu Glu Gln Leu Lys Leu Ser Gly Glu His Ser Glu Ser
 65 70 75 80
 Ser Thr Pro Arg Pro Arg Ser Ser Pro Glu Glu Thr Ile Glu Pro Glu

	85		90		95
Ser	Leu	His	Gln	Leu	Phe
	100				
Glu	Gly	Glu	Ser	Glu	Thr
	105				
Glu	Ser	Phe	Tyr		
	110				
Gly	Phe	Glu	Glu	Ala	Asp
	115				
Leu	Asp	Leu	Met	Glu	Ile
	120				

<210> 795
 <211> 348
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 795
 Met Asn Met Thr Gln Ala Arg Val Leu Val Aa Ala Val Val Gly Leu
 1 5 10 15
 Val Ala Val Leu Leu Tyr Ala Ser Ile His Lys Ile Glu Glu Gly His
 20 25 30
 Leu Xaa Val Tyr Xaa Arg Gly Gly Ala Leu Leu Thr Ser Pro Ser Gly
 35 40 45
 Pro Gly Tyr His Ile Met Leu Pro Phe Ile Thr Thr Phe Arg Ser Val
 50 55 60
 Gln Thr Thr Leu Gln Thr Asp Glu Val Lys Asn Val Pro Cys Gly Thr
 65 70 75 80
 Ser Gly Gly Val Met Ile Tyr Ile Asp Arg Ile Glu Val Val Asn Met
 85 90 95
 Leu Ala Pro Tyr Ala Val Phe Asp Ile Val Arg Asn Tyr Thr Ala ~~Sp~~
 100 105 110
 Tyr Asp Lys Thr Leu Ile Phe Asn Lys Ile His His Glu Leu Asn Gln
 115 120 125
 Phe Cys Ser Ala His Thr Leu Gln Glu Val Tyr Ile Glu Leu Phe Asp
 130 135 140
 Gln Ile Asp Glu Asn Leu Lys Gln Ala Leu Gln Lys Asp Leu Asn Leu
 145 150 155 160
 Met Ala Pro Gly Leu Thr Ile Gln Ala Val Arg Val Thr Lys Pro Lys

Leu Trp Val Leu Phe Pro Tyr Leu Ser Val Thr Arg Phe Leu Ile Leu
 85 90 95
 Ile Pro Cys Cys Glu Phe Gly Ser Leu Cys Trp Ala Ile Gln Ser Ser
 100 105 110
 Ser Glu Arg Ala Lys Leu Val Leu Glu Leu Arg Cys Arg Trp Gly Lys
 115 120 125
 Arg Gly Leu Ser
 130

<210> 797
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 797
 Met Pro Leu Trp Ala His Leu Ala Ser
 1 5

<210> 798
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 798
 Met Leu Ala Thr Ser Gln Ala Leu Asp Thr Val Trp Arg Met Ala Lys
 1 5 10 15
 Gly Phe Val Met Leu Ala Val Ser Phe Leu Val Ala Ala Ile Cys Tyr
 20 25 30
 Phe Arg Arg Leu His Leu Tyr Ser Gly His Lys Leu Lys Trp Trp Ile
 35 40 45
 Gly Tyr Leu Gln Arg Lys Phe Lys Arg Asn Leu Ser Val Glu Ala Glu
 50 55 60
 Val Asp Leu Leu Ser Tyr Cys Ala Arg Glu Trp Lys Gly Glu Thr Pro
 65 70 75 80
 Arg Asn Lys Leu Met Arg Lys Ala Tyr Glu Gln Leu Phe Trp Arg His
 85 90 95
 His Ile Lys Cys Val Arg Gln Val Arg Arg Asp Asn Tyr Asp Ala Leu
 100 105 110
 Arg Ser Val Leu Phe Gln Ile Phe Ser Gln Gly Ile Ser Phe Pro Ser
 115 120 125
 Trp Met Lys Glu Lys Asp Ile Val Lys Leu Pro Glu Lys Leu Leu Phe

130					135					140					
Ser	Gln	Gly	Cys	Asn	Trp	Ile	Gln	Gln	Tyr	Ser	Phe	Gly	Pro	Glu	Lys
145					150					155					160
Tyr	Thr	Gly	Ser	Asn	Val	Phe	Gly	Lys	Leu	Arg	Lys	Tyr	Val	Glu	Leu
				165					170					175	
Leu	Lys	Thr	Gln	Trp	Thr	Glu	Phe	Asn	Gly	Ile	Arg	Asp	Tyr	His	Lys
			180					185					190		
Arg	Gly	Ser	Met	Cys	Asn	Thr	Leu	Phe	Ser	Asp	Ala	Ile	Leu	Glu	Tyr
		195					200					205			
Lys	Leu	Tyr	Glu	Ala	Leu	Lys	Phe	Ile	Met	Leu	Tyr	Gln	Val	Thr	Glu
	210					215					220				
Val	Tyr	Glu	Gln	Met	Lys	Thr	Lys	Lys	Val	Ile	Pro	Ser	Leu	Phe	Arg
225						230					235				240
Leu	Leu	Phe	Ser	Arg	Glu	Thr	Ser	Ser	Asp	Pro	Leu	Ser	Phe	Met	Met
				245					250					255	
Asn	His	Leu	Asn	Ser	Val	Gly	Asp	Thr	Cys	Gly	Leu	Glu	Gln	Ile	Asp
			260					265					270		
Met	Phe	Ile	Leu	Gly	Tyr	Ser	Leu	Glu	Val	Lys	Ile	Lys	Val	Phe	Arg
		275					280					285			
Leu	Phe	Lys	Phe	Asn	Ser	Arg	Asp	Phe	Glu	Val	Cys	Tyr	Pro	Glu	Glu
	290					295					300				
Pro	Leu	Arg	Asp	Trp	Pro	Glu	Ile	Ser	Leu	Leu	Thr	Glu	Asn	Asp	Arg
305						310					315				320
His	Tyr	His	Ile	Pro	Val	Phe									
				325											

<210> 799
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 799
 Met Phe Glu Cys Tyr Cys Leu
 1 5

<210> 800
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 800

Met Tyr Gln Thr Pro Met Glu Val Ala Val Tyr Gln Leu His Asn Phe
 1 5 10 15
 Ser Ile Ser Phe Phe Ser Ser Leu Leu Gly Gly Asp Val Val Ser Val
 20 25 30
 Lys Leu Asp Asn Ser Ala Ser Gly Ala Ser Val Val Ala Ile Asp Asn
 35 40 45
 Lys Ile Glu Gln Ala Met Asp Leu Val Lys Asn His Leu Met Tyr Ala
 50 55 60
 Val Arg Glu Glu Val Glu Ile Leu Lys Glu Gln Ile Arg Glu Leu Val
 65 70 75 80
 Glu Lys Asn Ser Gln Leu Glu Arg Glu Asn Thr Leu Leu Lys Thr Leu
 85 90 95
 Ala Ser Pro Glu Gln Leu Glu Lys Phe Gln Ser Cys Leu Ser Pro Glu
 100 105 110
 Glu Pro Ala Pro Glu Ser Pro Gln Val Pro Glu Ala Pro Gly Gly Ser
 115 120 125
 Ala Val
 130

<210> 801
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 801
 Met Asn Ser Gln Val Leu Tyr Phe Thr Val Leu Val Cys Leu Met Glu
 1 5 10 15
 Ile Ser Arg Trp Ser His Lys Asn Ile Leu Cys Ser Val ProSer Lys
 20 25 30
 Arg Thr Ile Tyr Phe Ser Ser Leu Ile Val Pro Gln Ser His Ile Trp
 35 40 45
 Trp Trp Ser Ala Lys Ser His Leu Val
 50 55

<210> 802
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 802
 Ala Leu Trp Leu Leu Leu Gln Leu Ser
 1 5

<210> 803
<211> 9
<212> PRT
<213> Homo sapiens

<400> 803
Ala Leu Trp Leu Leu Leu Gln Leu Ser
1 5

<210> 804
<211> 16
<212> PRT
<213> Homo sapiens

<400> 804
Phe Leu Ile Ser Leu Cys Ile Leu Ile Pro Phe Leu Ile Leu Ser Pro
1 5 10 15

<210> 805
<211> 19
<212> PRT
<213> Homo sapiens

<400> 805
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15
Leu Tyr Leu

<210> 806
<211> 19
<212> PRT
<213> Homo sapiens

<400> 806
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15
Leu Tyr Leu

<210> 807

<211> 58
 <212> PRT
 <213> Homo sapiens

<400> 807
 Met Gly Phe Pro Leu Trp Ile Thr Arg Pro Phe Ser Leu Ala Ala Leu
 1 5 10 15
 Asn Val Phe Phe Ile Pro Phe Asn Leu Gly Glu Ser Asp Asp Tyr Val
 20 25 30
 Ser Trp Gly Cys Ser Ser Arg Glu Val Ser Leu Trp Trp Ser Leu Ser
 35 40 45
 Phe Leu Asn Leu Asn Val Gly Leu Ser Cys
 50 55

<210> 808
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 808
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15
 Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 809
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 809
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15
 Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn HisPhe Arg Gly
 20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 810
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 810
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15
 Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 811
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 811
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15
 Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 812
 <211> 75
 <212> PRT

<213> Homo sapiens

<400> 812

Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15
Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
20 25 30
Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
35 40 45
Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
50 55 60
Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
65 70 75

<210> 813

<211> 7

<212> PRT

<213> Homo sapiens

<400> 813

Met Gly Leu Trp Trp Arg Cys
1 5

<210> 814

<211> 32

<212> PRT

<213> Homo sapiens

<400> 814

Met Ala Leu Leu Ile Leu Leu Phe Cys Ile Leu Lys Tyr Lys Gln Leu
1 5 10 15
Asp Ile Ala Glu Asp Gly Ser Gly Gly Gln Gly Gln Ile Ser Gln Met
20 25 30

<210> 815

<211> 69

<212> PRT

<213> Homo sapiens

<400> 815

Met Lys Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu
1 5 10 15

Ala Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys
20 25 30
Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln Arg
35 40 45
Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile Asn Met Ala
50 55 60
Phe Cys Phe Ser Met
65

<210> 816
<211> 123
<212> PRT
<213> Homo sapiens

<400> 816
Glu Leu Leu Ile Leu Asn Phe Cys Lys Cys Phe Leu Leu Gln Ser Met
1 5 10 15
Val Phe Ala Lys Thr Cys Gly Ser Trp Arg Ser Gln Ala Cys Leu Val
20 25 30
Gly Thr Ser Met Arg Ser Val Leu Asn Pro Arg Val Lys Ser Gly Arg
35 40 45
Phe Val Lys Ile Leu Pro Asp Tyr Glu His Met Ala Tyr Arg Asp Val
50 55 60
Tyr Thr Cys Leu Leu His Arg Tyr Arg His Ile Leu Gly Leu Trp Gln
65 70 75 80
Pro Asp Ile Gly Pro Tyr Gly Gly Leu Leu Asn Val Val Val Asp Gly
85 90 95
Leu Phe Ile Ile Val Met Arg Arg Ala Pro Pro Ile Cys Thr Val His
100 105 110
Ser Thr Ser Ile Ala Phe Leu Phe Tyr Phe Phe
115 120

<210> 817
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring amino acids
<400> 817

Met Phe Lys Val Arg Gly Phe Leu Ser Ile Cys Leu Val Phe Cys Trp
 1 5 10 15
 Xaa Gly His Met Gln Val Ile Gly Tyr Gly Lys Gly Lys Met Pro Arg
 20 25 30
 Leu Leu Leu Gly Trp Ser Pro Ser Pro Lys Phe Lys Pro Pro Glu
 35 40 45

<210> 818
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 818
 Met Ile Phe Pro Lys Ile Cys Pro Ile Ser Pro Asn Leu Val Ser Val
 1 5 10 15
 Leu Ser Leu Val Phe Phe Trp Thr Leu Leu Gly Ser Arg Arg Val Cys
 20 25 30
 Tyr Gln Phe Ser Arg Leu Gly Glu Val Arg Ser Gly Glu Gln Leu
 35 40 45

<210> 819
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 819
 ggaggctgag gcaggagaat ggcgtgaacc caggaggcgg agcttgcagt gagctgagat 60
 tgcgccactg cactccagcc tgggcaacag agcgagactc cgtctgaaaa aaaaaaaaaac 120
 aaaaactggt g 131

<210> 820
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 820
 agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg 60
 agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 821
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 821
 ctgaggcagg agaatggcgt gaacccgaga ggcggagctt gcagtgagcc gagatcgcg 60
 cactgcactc cagcctgggc gacagagcga gactcactt 100

<210> 822
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 822
 ggctgaggca ggagaatggc gtgaacccgg gaggcggagc ttgcagtgag tcgagatcgc 60
 gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa gaggggaaaa 140

<210> 823
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 823
 gaggcaggag aatggcgtga accctggagg cagagcttgc agtgagccga gatcgcgccca 60
 ctgcactcca gcctgggcga cagagcaaga ttccgtctca aaaaaaaaaa aacg 114

<210> 824
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 824
 atgccactgc actccagcct gggcgacaga gtgagactcc atctcaaaaa aaaaaaaaaa 60
 a 61

<210> 825
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 825
 ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga ttgtgccact 60
 gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaa 136

<210> 826
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 826
 aggcaggaga atggcgtgaa cccgggaggc ggagcttgca gtgagccgag atcccgccac 60
 tgcactccag cctgggcgac agagcgagct ccgtctcaaa aaaaaaaaaa aaaaatgctg 120
 tta 123

<210> 827
 <211> 45
 <212> DNA
 <213> Homo sapiens

<400> 827
 ccagcctggg ggacagagcg agactccgtc tcaaaaaaaaa aaaaaa 45

<210> 828

<211> 368
 <212> DNA
 <213> Homo sapiens

<400> 828
 ggcatgggca aggacttcat gtctaaaacg ccaaaagcaa tggcaacaaa agacaaaatt 60
 gacaaatggg atctaattaa actaaagagc ttctgcacag caaaagagtc taccatcaga 120
 gtgaacaggc aacctataca atgggagaaa aattttgcaa tctactcatc tgacaaaggg 180
 ctaatatcca gaatctacag tgactcaaa caaattttaca agaaaaaac aaacaacccc 240
 atcaaaaagt gggcaaagta tatgaacaga cactttctcaa aagaagacat ttatgcagct 300
 aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc 360
 acaatgag 368

<210> 829
 <211> 2925
 <212> DNA
 <213> Homo sapiens

<400> 829
 ctcccagagta gctggggacta caggcgcccg ccaccacgcc tggctaattt tttgtatttt 60
 tagtagagac ggggtttcac cgcgttagcc aggatggtct tgatctcctg acctcgtgat 120
 ccgcccgtct cggcctccca aagtcctggg attacaggcg tgagccaccg cgcccggctg 180
 agatgggtat tattaagaaa ttaagatgtg gattaccagg gtaagtcata tttcaatgtg 240
 caacctctgc aagtcacacg ggtgtgatat ggacattaag gagatctatg gacgaatagc 300
 gtatgatacc ttgacaagtt gacaaaatgt aaaatagttg aatggccata gaaaaaac 360
 agcttttttag ccccataggc cgaggggattc aggagggctg gctacgggca ttttggaatg 420
 gaagatgttg taccaacaaa tcaagcttag gttcctggca atttgcccac atataatatg 480
 tgaaagtcca gatgtgaaat aaatctgcgg ctaatatgaa gaacctagcc acaggagtta 540
 aaaaagtacg ttctgggacc agatggactg ccttctaate ttagtcttac tacattttag 600
 cggtaaaacc ttcagcaagt tatttagcct ccagcatctc agttttctca tctgtaaaat 660
 ggtgataatg ctactcttac attgggttgt agtaggataa aaggagaaaa cgtatgtaaa 720
 ggatttagta gaaacttatt aaaattaagc aattattatt tctcaattt aagattctaa 780
 cctgcaaaag gcataaggca gctgctgaga acaggggtgag aagataggga ttcggtcagg 840
 aaaagtcttg tttccctggt gctgttggtg gttttgtttg ctcatgtgtg tgtttttttt 900
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 aagtttcatg agatggctaa attttggtaa atatgatact ttctttgaac agatgtcata 1440
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tttcaccgtg	ttatccagga	tggctctccat	ctcctgacct	cgtgatccac	ctgcctccgc	2880
ctcccaaagt	gctgggatta	caggcttgag	cctcctcgcc	cggcc		2925

<210> 830

<211> 102

<212> DNA

<213> Homo sapiens

<400> 830

tttttttttt	tttttttttt	gagacggagt	ctcgctctgt	cgcccaggct	ggagtgggt	60
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<210> 831

<211> 22001

<212> DNA

<213> Homo sapiens

<400> 831

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gccaggccc	gggaggagga	gaaggagcgt	gagcggagg	tgctgctggc	tcagcaagag	180
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gggccggaag	cggaggcggt	gcgagggctc	aatgtgcccc	gtgtgaaatt	cgggacagg	300
cgccgatccc	actttcgagg	acgttgcccc	gcaaaccttg	tgcccacttc	cacgaaacct	360
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agtgtctagc	acaaaagaga	agcttaacat	ttaatgaatc	cgtgaaccct	tggacagttc	480
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cccctagaca	catacacaca	aacacgggct	ttccgtatgg	ctctttaaat	ctgtttggtg	780
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aggtttttag	aatctcagta	ggctgctgag	cgctgtttga	aatccgcgtc	ctgaaggcag	900
gggacagggc	ttcagcagac	ttggggtagt	cacttgagagc	catggctaga	attcagatcg	960
tctggcctaa	tgcatacctt	tatggctggt	ttaattgtct	cacttgaggt	taggaacccc	1020
tttggttttag	gccagggacc	tcctcccata	catccttgat	gaccctgggt	ttactatttg	1080
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cctgtttcgg	gagctgctgg	aggaaggga	aggagtgtac	agaggcaata	aagagtacga	1440
ggaagaaaag	cgacaggaga	aagtaagctg	gcctcaccca	cttcacaga	ggggccatga	1500
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<211> 941

<212> DNA

<213> Homo sapiens

<400> 843

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<211> 432

<212> DNA

<213> Homo sapiens

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 <212> DNA
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 <222> (395)..(395)

<223> n equals a,t,g, or c

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<211> 1568

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

<400> 860						
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 <213> Homo sapiens

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<210> 863
 <211> 1561
 <212> DNA
 <213> Homo sapiens

<400> 863
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a						1561

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 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 864						
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<210> 865
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 865						
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<210> 866
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 866						
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<210> 867
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 867						
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<210> 868
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 868
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<210> 869
 <211> 415
 <212> DNA
 <213> Homo sapiens

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<210> 870
 <211> 1727
 <212> DNA
 <213> Homo sapiens

<400> 870
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 <211> 1729
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
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<400> 872						
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 <211> 646
 <212> DNA
 <213> Homo sapiens

<400> 873						
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<210> 874
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 <212> DNA
 <213> Homo sapiens

<400> 874						
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 gaattttcac aaattaagtt ttacaaaaag gtaaaagttt gtgataaccc tcagataaaa 180
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 aacataattc ctgaagttcc agagtctctt aaatgctaaa atattaacaa taccatcca 540
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<210> 876
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 880
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<210> 882
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 <212> DNA
 <213> Homo sapiens

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<210> 883
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 <212> DNA
 <213> Homo sapiens

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<213> Homo sapiens

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